DOCUMENT RESUME

ED 149 884 95 RC 010 262

TITLE	Outdoor Education, A Bibliography of ERIC Abstracts: Supplement No. 7.
INSTITUTION	New Mexico State Univ., University Park. ERIC Clearinghouse on Rural Education and Small Schools.
SPONS AGENCY	National Inst. of Education (DHEW), Washington, D.C.
PUB DATE	Jan 78
CONTRACT	400-75-0025
NOTE	118p.; For related document, see ED 136 971
AVAILABLE FROM	National Educational Laboratory Publishers, Inc., 813 Airport Boulevard, Austin, Texas 78702 (Stock No. EC-060; $6.00)
EDRS PRICE	MF-$0.83 HC-$6.01 Plus Postage.
DESCRIPTORS	*Abstracts; Activity Learning; *Annotated Bibliographies; Camping; *Conservation Education; Curriculum Guides; Elementary Education; *Environmental Education; Instructional Materials; Learning Activities; *Outdoor Education; *Periodicals; Resident Camp Programs; Resource Guides; Science Activities; Subject Index Terms; Teaching Guides

ABSTRACT

A supplement to seven previous bibliographies, this bibliography provides a guide to some of the latest resource material, research findings, and/or developments in outdoor education. Part I contains 68 citations and abstracts which appeared in "Resources in Education" (RIE) from the January 1977 issue through the October 1977 issue. Part II includes 39 citations of journal articles which appeared in "Current Index to Journals in Education" (CIJE) from the January 1977 issue through the October 1977 issue. In addition to outdoor education, the citations cover such topics as camping, conservation education, activity learning, elementary school science, ecology, environmental education, experiential learning, natural resources, nature centers, Outward Bound, science activities, self concept, resident camp programs, educational objectives, emotionally disturbed, environment, group experience, learning activities, leisure time, and orienteering. Types of materials cited include curriculum guides, research reports, resource guides, instructional materials, program descriptions, leaders guides, program evaluations, and teaching guides. A combined RIE and CIJE subject index is provided to assist the user in locating citations pertaining to a given subject area within the realm of outdoor education. Ordering information and a list of the 16 ERIC clearinghouses and their scopes are included. (NQ)

****
* Reproductions supplied by EDRS are the best that can be made *
* from the original document. *
****

ED149884

OUTDOOR EDUCATION
A BIBLIOGRAPHY OF
ERIC ABSTRACTS: SUPPLEMENT NO. 7

ERIC/CRESS

January 1978

U.S. DEPARTMENT OF HEALTH,
EDUCATION & WELFARE
NATIONAL INSTITUTE OF
EDUCATION

THIS DOCUMENT HAS BEEN REPRODUCED EXACTLY AS RECEIVED FROM THE PERSON OR ORGANIZATION ORIGINATING IT. POINTS OF VIEW OR OPINIONS STATED DO NOT NECESSARILY REPRESENT OFFICIAL NATIONAL INSTITUTE OF EDUCATION POSITION OR POLICY

For Sale By
National Educational Laboratory Publishers, Inc.
813 Airport Boulevard, Austin, Texas 78702
Stock No. - EC-060
Price - $6.00

RC010262

EDUCATIONAL RESOURCES INFORMATION CENTER (ERIC)

CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS (CRESS)

New Mexico State University

Las Cruces, New Mexico 88003

The material in this publication was prepared pursuant to a contract with the National Institute of Education, U.S. Department of Health, Education, and Welfare. Contractors undertaking such projects under government sponsorship are encouraged to express freely their judgment in professional and technical matters. Points of view or opinions, however, do not necessarily represent the official view or opinions of the National Institute of Education.

The booklet may be duplicated in whole or in part, whenever such duplication is in the interest of bettering education.

January 1978

Purpose and Scope of ERIC

The Educational Resources Information Center (ERIC) is a federally funded national information system dedicated to the improvement of education through the dissemination of educational resources and research-related materials. ERIC aids school administrators, teachers, researchers, information specialists, professional organizations, students, and others in locating and using educational resources.

To achieve this purpose, the ERIC system processes documents for announcement in Resources in Education (RIE), a monthly publication containing abstracts of research, research-related reports, and resource materials in education. In addition, ERIC compiles the Current Index to Journals in Education (CIJE), a monthly index which draws from over seven hundred journals, quarterlies, annuals, and yearbooks.

Each of the ERIC network of clearinghouses has a particular area or scope of education. It is the responsibility of this Clearinghouse, the Clearinghouse on Rural Education and Small Schools (CRESS), to gather materials related to rural education, small schools, the American Indian, the Mexican American, the migrant, and outdoor education and to bring these materials into the national ERIC system. For information concerning other individual Clearinghouses and their respective scopes, consult the list at the back of this publication.

There are numerous complete microfiche collections of ERIC materials throughout the nation which may be used by the public. A list containing the locations of these standing orders may be obtained from ERIC Processing and Reference Facility, 4833 Rugby Avenue, Suite 303, Bethesda, Maryland 20014.

TABLE OF CONTENTS

About the Bibliography v
Scope and Sources. v
Terms. v
Organization v
Section I. *Resources in Education* 1
Key and Sample Abstract. 2
Citations from *Resources in Education*. 3
Section II. *Current Index to Journals in Education* 71
Key and Sample Abstract. 72
Citations from *Current Index to Journals in Education*. . 73
Section III. RIE and CIJE Subject Index 93
Section IV. Previous Bibliographies. 102
Section V. List of ERIC Clearinghouses. 104
Section VI. Order Blank. 108

5

About the Bibliography

Scope and Sources

This bibliography provides a guide to the latest resource material, research findings, and/or development in outdoor education. There have been seven previous bibliographies covering outdoor education. For a list of bibliographies, see the Table of Contents.* This bibliography is drawn from current issues of RIE and CIJE dating from the January 1977 issue through the October 1977 issue. In conducting the computer search of ERIC tapes to compile this bibliography, the search term used was All Outdoor. The only outdoor material excluded was that which was related to Outdoor Lighting, Outdoor Drama, or Outdoor Theaters.

Terms

Two types of descriptive terms are employed for RIE and CIJE: descriptors and identifiers. Descriptors are technically meaningful words or phrases used to characterize, to index, and to retrieve documents and are incorporated in the *Thesaurus of ERIC Descriptors*.

Proper names of persons, geoprahical locations, trade names, and so on may also be important in describing a document. These terms, called identifiers, are not found in the Thesaurus, but are included with RIE citations for descriptive purposes.

Organization of Bibliography

Each bibliographic citation is headed by an ERIC accession number. RIE entries are assigned an ED number; those from CIJE are assigned an EJ number. In both the RIE and CIJE sections, the citations begin with

*It should be noted that microfiche and hard copy prices in the previously published bibliographies do not reflect current ERIC Documents Reproduction Service pricing; however, prices given therein may be computed as per the instructions on the order blank appended to the present bibliography.

the lowest accession number and proceed to the highest. The index references are also by accession number.

Section I. Resources in Education

Section I contains citations and abstracts appearing in Resources in Education from the January 1977 issue through October 1977 issue. RIE contains subject, author, and institution indexes, along with document resumes which include the ERIC accession number, author(s), title, source(s), date of publication, ERIC Document Reproduction Service (EDRS) prices or an alternative availability, and the abstract.

When using the RIE section of this bibliography, the reader is encouraged:

(1) to utilize the subject index in identifying relevant materials;

(2) to examine the resumes to determine appropriateness of materials and;

(3) to obtain microfiche or hard copy reproductions of documents from ERIC Document Reproduction Service.

The reproductions can be ordered as described on the order blank appended to the bibliography. Instructions for computing the price are also included on the order blank. When ordering any item, the RIE citations should be double checked. If the citation carries the statement NOT AVAILABLE FROM EDRS, an alternative availability is given. If the citation carries the statement HC NOT AVAILABLE FROM EDRS, the publication is available in microfiche only from EDRS. [illegible] neither of the foregoing statements appears with the RIE citation, it may be assumed that the publication is available from EDRS in microfiche and hard copy.

Section II. Current Index to Journals in Education

Section II of this bibliography covers citations from Current Index to Journals in Education beginning with the January 1977 issue through the October 1977 issue. Entries listed in the CIJE section of this bibliography are processed differently than are the RIE citations. Brief notations are provided only when it is thought that the article cannot be described adequately by a combination of major and minor descriptors, identifiers, and the information in the title. Each journal citation includes the publication date, article title, personal author(s), journal title (sometimes abbreviated), and information on the volume, number, and pages. There are two CIJE entries per page. Since CIJE entries are not available from ERIC Document Reproduction Service, the reader is encouraged to use his local library to locate the journals he wishes to use.

Section III. RIE and CIJE Subject Index

Section III is a combined RIE and CIJE subject index to assist the user in locating citations pertaining to a particular area concerning outdoor education.

Document Contributions

Persons desiring to contribute materials such as those cited in this bibliography may do so by sending one copy (two if available) to:

ERIC/CRESS Acquisitions
New Mexico State University
Box 3AP
Las Cruces, New Mexico 88003

SECTION I. CITATIONS FROM RESOURCES IN EDUCATION

Key to Citations

AN - Accession number - identification number sequentially assigned to documents and/or journal articles as they are processed
CHAN - Clearinghouse Accession Number
TI - Title
AU - Authors
OS - Organizational Source
SO - Source (as from a journal)
PD - Publication Date
NO - Number of Pages and Notes
IS - Issue of RIE or CIJE in which citation appears
PR - EDRS Price
SPO - Sponsoring Organization
AV - Alternate Availability
CG - NIE or USOE Contract/grant number under which research was done
BN - Bureau Number (report number given by originator)
DT - Document Type
IT - Index Terms - descriptors which characterize content
ST - Supplementary Terms - identifiers not found in *Thesaurus of ERIC Descriptors*
AB - Abstract
( ) - Abstractor's initials always placed at end of abstract.

Sample Citation

AN - ED129519
CHAN - RC009480
TI - AN ANALYSIS OF THE IMPACT OF OUTWARD BOUND ON TWELVE HIGH SCHOOLS.
AU - SCHULZE, JOSEPH R.
OS - OUTWARD BOUND, INC., GREENWICH, CONN.
PD - 1 SEP 71
NO - 156P.; NOT AVAILABLE IN HARD COPY DUE TO SMALL PRINT SIZE OF ORIGINAL DOCUMENT
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH, CONNECTICUT 06830 ($1.00)
SPO - CARNEGIE CORP. OF NEW YORK, N.Y.
DT - R
IT - BOARDING SCHOOLS; DAY SCHOOLS; EDUCATIONAL ALTERNATIVES
IT - EDUCATIONAL OBJECTIVES; *EDUCATIONAL PHILOSOPHY; *HIGH SCHOOLS
IT - INFORMATION DISSEMINATION; *OUTDOOR EDUCATION; PRIVATE SCHOOLS
IT - *PROGRAM DESCRIPTIONS; PROGRAM DEVELOPMENT; *PROGRAM EVALUATION
IT - PUBLIC SCHOOLS; RURAL AREAS; SECONDARY EDUCATION; SUBURBS
IT - URBAN AREAS
ST - *EXPERIENTIAL LEARNING; *OUTWARD BOUND
AB - DESCRIBING AND ANALYZING THE IMPACT OF OUTWARD BOUND (OB) PROGRAMS ON 12 HIGH SCHOOLS WHICH REFLECT OB INVOLVEMENT VARYING FROM 1 TO 5 YEARS AND INCLUDE URBAN, SUBURBAN, AND RURAL (PUBLIC, PRIVATE, BOARDING, AND DAY) SCHOOLS.

AN - ED128167
CHAN- SE020891
TI - PROXIMITY CONGRUENCY AND PROXIMITY INCONGRUENCY: FACTORS AFFECTING THE STATE OF THE ART OF ENVIRONMENTAL EDUCATION.
AU - PETERS, RICHARD
PD - MAY 76
NO - 12P.
IS - RIE77JAN
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
DT - B
IT - *EDUCATIONAL PROGRAMS; *ELEMENTARY SECONDARY EDUCATION
IT - *ENVIRONMENTAL EDUCATION; *FUNDAMENTAL CONCEPTS; *INSTRUCTION
IT - OBJECTIVES; OUTDOOR EDUCATION; RESOURCE MATERIALS; TEACHER ROLE
AB - THIS PAPER PRESENTS ARGUMENTS FOR THE PREMISE THAT, FROM AN INSTRUCTIONAL POINT OF VIEW, THE MOST EFFECTIVE ENVIRONMENTAL EDUCATION PROGRAM IS ONE THAT PROVIDES FOR PROXIMITY CONGRUENCY (DIRECT INTERACTION WITH THE NATURAL AND MAN-MADE ENVIRONMENT) AS OPPOSED TO PROXIMITY INCONGRUENCY. THE AUTHOR SUGGESTS THAT IF THE TEACHER IS INTERESTED IN EXPOSING THE STUDENT TO THE REAL WORLD OF THE LIFE-SPACE ENVIRONMENT, THERE ARE SEVERAL ACTIVITIES AND EXPERIENCES THAT CAN BE INCORPORATED INTO THE INSTRUCTIONAL STRATEGY. THESE INCLUDE: (1) COMMUNITY STUDIES, (2) FIELD STUDIES, (3) FIELD TRIPS, (4) GRAPHIC STUDIES, (5) NATURE WALKS, (6) WEEKEND DAYTRIPS, AND (7) WEEKEND OVERNIGHT CAMPING TRIPS. A REPRESENTATIVE SAMPLE OF ENVIRONMENTAL EDUCATION INFORMATION AVAILABLE TO TEACHERS INCLUDING: FILMS, FILMSTRIPS, GAMES, SIMULATIONS, PRINTED MATERIALS, PROJECTS AND ORGANIZATIONS, IS PRESENTED. THIS PUBLICATION CONCLUDES BY LISTING ENVIRONMENTAL PROBLEMS THAT NEED IMMEDIATE ATTENTION IN ENVIRONMENTAL EDUCATION PROGRAMS. (BT)

AN - ED128245
CHAN- SO009313
TI - GEOGRAPHY VIA AERIAL FIELD TRIPS: DO IT THIS WAY, 6.
AU - RICHASON, BENJAMIN F., JR.; GUELL, CARL E.
DS - NATIONAL COUNCIL FOR GEOGRAPHIC EDUCATION.
PD - 65
ND - 25P.; FOR RELATED DOCUMENTS, SEE ED 034 434 AND SO 009 309-314
IS - RIE77JAN
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - NCGE CENTRAL OFFICE, 115 NORTH MARION STREET, OAK PARK, ILLINOIS 60301 ($1.00)
DT - G
IT - *AIRBORNE FIELD TRIPS; ELEMENTARY SECONDARY EDUCATION
IT - FIELD TRIPS; GEOGRAPHIC REGIONS; GEOGRAPHY
IT - *GEOGRAPHY INSTRUCTION; HIGHER EDUCATION; HUMAN GEOGRAPHY
IT - LAND USE; OUTDOOR EDUCATION; *PHYSICAL GEOGRAPHY
IT - PHYSICAL SCIENCES; PROGRAM PLANNING; TEACHING GUIDES
IT - *TEACHING METHODS

AB - TO PROVIDE GUIDANCE FOR GEOGRAPHY TEACHERS, THIS BOOKLET PRESENTS INFORMATION ON HOW TO PLAN AND EXECUTE AERIAL FIELD TRIPS. THE AERIAL FIELD TRIP CAN BE EMPLOYED AS AN EFFECTIVE VISUAL AID TECHNIQUE IN THE TEACHING OF GEOGRAPHY, ESPECIALLY FOR PRESENTING EARTH GENERALIZATIONS AND INTERRELATIONSHIPS. THE BENEFITS OF AN AERIAL FIELD TRIP ARE STUDYING A REGION FROM A HIGH VANTAGE POINT FOR A TOTAL VIEW, SURVEYING AN EXTENSIVE AREA WITHIN A SHORT PERIOD OF TIME, AND EXPERIENCING AIR TOPOGRAPHY AND CURRENTS. ELEMENTS TO CONSIDER WHEN PLANNING THE AERIAL FIELD TRIP INCLUDE SELECTING THE FEATURES TO BE VIEWED, DETERMINING THE FLIGHT ROUTE, LENGTH OF THE FIELD TRIP, SELECTING THE TYPE OF AIRCRAFT TO USE, HOW MANY AIRCRAFT TO USE, ALTITUDE AT WHICH TO FLY, WHEN TO SCHEDULE THE TRIP, COST OF THE AERIAL FIELD TRIP, AND PREPARATION OF FLIGHT MAP AND LOG. THE BOOKLET OFFERS SHORT SECTIONS CONTAINING IDEAS ABOUT PREFLIGHT CLASSES AND BRIEFING AND ABOUT POSTFLIGHT INTERROGATION AND REVIEW. TWENTY-FIVE PHOTOGRAPHS ILLUSTRATING DIFFERENT AERIAL VIEWS OF LAND CONCLUDE THE BOOKLET. (ND)

AN - ED129500
CHAN- PC009454
TI - THE IMPACT OF FAMILY LEISURE TIME PATTERNS ON JEWISH RESIDENT CAMPING.
AU - ALTMAN, S. MORTON
OS - NATIONAL JEWISH WELFARE BOARD, NEW YORK, N.Y.
PD - APR 75
NO - 36P.
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
DT - R
IT - BIRTH RATE; CHURCH PROGRAMS; COMMUNITY SURVEYS; DAY CAMP PROGRAMS
IT - *FAMILY INVOLVEMENT; FAMILY MOBILITY; *JEWS; *LEISURE TIME
IT - OUTDOOR EDUCATION; *PARENT ATTITUDES; QUESTIONNAIRES
IT - RECREATIONAL ACTIVITIES; RELIGIOUS FACTORS
IT - *RESIDENT CAMP PROGRAMS; SOCIOECONOMIC INFLUENCES
IT - *SUMMER PROGRAMS
AB - BASED ON THEIR GEOGRAPHICAL LOCATION AND THE RELATIVE SIZE OF THEIR CAMP OPERATION, 20 RESIDENT CAMPS WERE ASKED TO CONDUCT 30 TELEPHONE INTERVIEWS IN THEIR LOCAL COMMUNITY WITH PARENTS OF CHILDREN WHO: STILL ATTENDED THE CAMP, HAD PREVIOUSLY ATTENDED THE CAMP BUT DID NOT RETURN FOR THE SUMMER OF 1973, OR HAD NEVER ATTENDED THE CAMP. RESPONSES WERE RECEIVED FROM 16 CAMPS AND INTERVIEWS WERE COMPLETED WITH 275 FAMILIES. THESE PARENTS WERE ASKED ABOUT THEIR: REASONS FOR SENDING OR NOT SENDING THEIR CHILDREN TO RESIDENT CAMP; PREFERENCES FOR A DAY CAMP OR A RESIDENT CAMP; FAMILY LEISURE TIME AND VACATION PATTERNS; SUMMER ACTIVITIES; MEMBERSHIP IN SYNAGOGUES, TEMPLES, AND JEWISH COMMUNAL ORGANIZATIONS; AND SOCIOECONOMIC BACKGROUND. DATA WERE ALSO OBTAINED ON FAMILY MOBILITY AND BIRTH RATE OF THE JEWISH POPULATION. SOME FINDINGS WERE: NO SIGNIFICANT RELATIONSHIP WAS FOUND BETWEEN A FAMILY'S USE OF RESIDENT CAMP SERVICES AND THE EXTENT TO WHICH THEY VACATIONED TOGETHER; FAMILIES WITH CHILDREN ATTENDING RESIDENT CAMPS IN 1973 MOST FREQUENTLY CITED PERSONAL AND SOCIAL DEVELOPMENT OF THE CHILD AS THE MOST IMPORTANT REASONS FOR SELECTING THIS TYPE OF CAMP EXPERIENCE; AND CHILDREN WERE ATTENDING RESIDENT CAMPS FOR SHORTER REGISTRATION PERIODS THAN CHILDREN ATTENDING DAY CAMPS. (NQ)

```
AN   - ED129516
CHAN- RC009473
TI   - THE EFFECTS OF OUTWARD BOUND PARTICIPATION UPON ANXIETY AND SELF
       CONCEPT.
AU   - KOEPKE, SHARON MARGARET
PD   - DEC 73
NO   - 122P.; MS THESIS, PENNSYLVANIA STATE UNIVERSITY. FOR RELATED
       DOCUMENT, SEE ED 099 162
IS   - RIE77FEB
PR   - EDRS PRICE MF-$0.83 HC-$6.01 PLUS POSTAGE.
AV   - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY
       PARK, PENNSYLVANIA 16802
DT   - T
IT   - AGE DIFFERENCES; *ANXIETY; CORRELATION; *HYPOTHESIS TESTING
IT   - MASTERS THESES; *OUTDOOR EDUCATION; PHYSICAL EDUCATION
IT   - *POSITIVE REINFORCEMENT; POST TESTING; PRETESTING; *SELF CONCEPT
IT   - *SEX DIFFERENCES; STRESS VARIABLES; STUDENT CHARACTERISTICS
ST   - EXPERIENTIAL LEARNING; GOUGH ADJECTIVE CHECK LIST; *OUTWARD BOUND
ST   - STATE TRAIT ANXIETY INVENTORY
AB   - THE RELATIONSHIP BETWEEN PHYSICALLY AND PSYCHOLOGICALLY STRESSFUL
       EXPERIENCES AND THE ANXIETY AND SELF CONCEPT OF 33 MALE AND 11
       FEMALE PARTICIPANTS (AGED 16-38 YEARS) IN A 23-DAY COLORADO
       OUTWARD BOUND (OB) COURSE WAS ANALYZED. IT WAS HYPOTHESIZED THAT
       THE EFFECTS OF THE OB EXPERIENCE WOULD: BE THE SAME FOR MALE AND
       FEMALE PARTICIPANTS; ALTER REAL SELF CONCEPT; ALTER THE
       DISCREPANCY BETWEEN REAL AND IDEAL SELF CONCEPT; CHANGE STATE
       ANXIETY; AND INCREASE THE RELATIONSHIP BETWEEN STATE AND TRAIT
       ANXIETIES AND REAL SELF CONCEPT. EMPLOYING PRE- AND POST-TESTING
       PROCEDURES, THA ANALYSIS INVOLVED 23 SCALES OF THE GOUGH
       ADJECTIVE CHECK LIST TO DELINEATE BOTH REAL AND IDEAL SELF
       CONCEPT AND THE STATE AND TRAIT SCALES OF THE STATE-TRAIT ANXIETY
       INVENTORY TO DETERMINE ANXIETY LEVELS. DATA WERE ANALYZED VIA THE
       WILCOXON MATCHED-PAIRS SIGNED-RANKS TEST, THE MANN-WHITNEY U
       TEST, AND THE SPEARMAN RANK ORDER CORRELATION COEFFICIENT.
       RESULTS INDICATED: FEMALE OB PARTICIPANTS SET HIGHER IDEALS FOR
       THEMSELVES THAN MALES, BUT MALE AND FEMALE ANXIETIES AND SELF
       CONCEPTS WERE MORE SIMILAR THAN DISSIMILAR; OB PARTICIPANTS
       EXPERIENCED CHANGES AT THE CONCLUSION OF THE COURSE, VIEWING
       THEMSELVES MORE POSITIVELY AND NARROWING THE GAP BETWEEN REAL AND
       IDEAL PERCEPTION; OB PARTICIPANTS EXHIBITED A HIGH ANXIETY LEVEL
       JUST PRIOR TO THE COURSE BUT DEMONSTRATED A CORRELATION BETWEEN
       LOW LEVELS OF ANXIETY AND POSITIVE SELF PERCEPTIONS. (JC)
```

7

AN - ED129518

CHAN- RCC09479

TI - OUTWARD BOUND AND HIGHER EDUCATION. A RATIONALE AND OUTLINE FOR COLLEGE DEVELOPMENT.

AU - MEDRICK, FREDERICK W.

OS - OUTWARD BOUND, INC., GREENWICH, CONN.

NO - 14P.; NOT AVAILABLE IN HARD COPY DUE TO SMALL PRINT SIZE OF ORIGINAL DOCUMENT

IS - RIE77FEB

PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.

AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH, CONNECTICUT 06830 ($0.50)

DT - G

IT - COURSE DESCRIPTIONS; DEFINITIONS; EDUCATIONAL ALTERNATIVES

IT - *GUIDES; *HIGHER EDUCATION; *INSTITUTIONAL ROLE

IT - LEARNING PROCESSES; *OBJECTIVES; *OUTDOOR EDUCATION; PHILOSOPHY

IT - PROGRAM DESCRIPTIONS; *PROGRAM DEVELOPMENT; SELF ACTUALIZATION

ST - EXPERIENTIAL LEARNING; *OUTWARD BOUND

AB - PRESENTING A RATIONALE FOR EXPERIENTIAL LEARNING IN HIGHER EDUCATION AND AN OUTLINE FOR OUTWARD BOUND (OB) PROGRAM DEVELOPMENT, THIS GUIDE INCLUDES: (1) PERSONAL PRIORITIES IN AN OB PROGRAM (ENHANCING SELF-CONCEPT; RECOGNIZING INDIVIDUAL NEEDS; CLARIFYING VALUES; COPING WITH STRESS AND AMBIGUITY; IMPROVING INTERPERSONAL RELATIONS; FINDING COMMUNITY AND COMMONALITY); (2) OB INSTITUTIONAL PRIORITIES (EDUCATIONAL ALTERNATIVES; EXPERIENTIAL OPPORTUNITIES; STUDENT RESPONSIBILITY; STUDENT COMMITMENT/PARTICIPATION; CAMPUS ORIENTATION; INSTITUTIONAL NEEDS); (3) THE GOALS AND OBJECTIVES OF AN OB PROGRAM (PERSONAL DEVELOPMENT; INTERPERSONAL EFFECTIVENESS; ENVIRONMENTAL AWARENESS; EXPERIENTIAL LEARNING; VALUES CLARIFICATION; PHILOSOPHY; AND LIFE STYLES); (4) OB GOAL IMPLEMENTATION PROCESS (SKILLS TRAINING; PHYSICAL CHALLENGE; STRESS EXPERIENCES; PROBLEM SOLVING; SELF-ACTUALIZATION; REFLECTION; EVALUATION; AND SERVICE); (5) OB PROGRAM TYPES (THE TRADITIONAL 23-DAY WILDERNESS SURVIVAL EXPERIENCE; SPECIALLY DESIGNED COURSES MEETING SPECIFIC GROUP NEEDS; SHORT TERM COURSES FOR SPECIAL GROUPS; AND SEQUENTIAL COURSES); (6) INSTITUTIONS WITH OB PROGRAMS (COLORADO COLLEGE; PRESCOTT; DARTMOUTH; WHEATON COLLEGE VANGUARD SCHOOL; BOSTON UNIVERSITY; EVERGREEN STATE COLLEGE; UNIVERSITY OF NORTH CAROLINA AT CHARLOTTE); (7) DEVELOPMENT PRIORITIES AND GOALS (STUDENT GROWTH; CURRICULUM INTEGRATION; FACULTY-STUDENT RELATIONS; LEADERSHIP; AND TEAM-BUILDING); (8) DEVELOPMENT APPROACHES. (JC)

AN - ED129519
CHAN- RC009480
TI - AN ANALYSIS OF THE IMPACT OF OUTWARD BOUND ON TWELVE HIGH SCHOOLS.
AU - SCHULZE, JOSEPH R.
OS - OUTWARD BOUND, INC., GREENWICH, CONN.
PD - 1 SEP 71
NO - 156P.; NOT AVAILABLE IN HARD COPY DUE TO SMALL PRINT SIZE OF ORIGINAL DOCUMENT
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH, CONNECTICUT 06830 ($1.00)
SPO - CARNEGIE CORP. OF NEW YORK, N.Y.
DT - R
IT - BOARDING SCHOOLS; DAY SCHOOLS; EDUCATIONAL ALTERNATIVES
IT - EDUCATIONAL OBJECTIVES; *EDUCATIONAL PHILOSOPHY; *HIGH SCHOOLS
IT - INFORMATION DISSEMINATION; *OUTDOOR EDUCATION; PRIVATE SCHOOLS
IT - *PROGRAM DESCRIPTIONS; PROGRAM DEVELOPMENT; *PROGRAM EVALUATION
IT - PUBLIC SCHOOLS; RURAL AREAS; SECONDARY EDUCATION; SUBURBS
IT - URBAN AREAS
ST - *EXPERIENTIAL LEARNING; *OUTWARD BOUND
AB - DESCRIBING AND ANALYZING THE IMPACT OF OUTWARD BOUND (OB) PROGRAMS ON 12 HIGH SCHOOLS WHICH REFLECT OB INVOLVEMENT VARYING FROM 1 TO 5 YEARS AND INCLUDE URBAN, SUBURBAN, AND RURAL (PUBLIC, PRIVATE, BOARDING, AND DAY) SCHOOLS, THIS 1970-71 REPORT IS AIMED AT FURTHERING OB PHILOSOPHY AND METHOD. THE REPORT PRESENTS OB PROGRAM: BACKGROUND; EVALUATION PROCEDURES; INITIATION RATIONALE; FUNDING; IMPACT ANALYSIS; RECOMMENDATIONS; AND GENERALIZATIONS. BRIEF PROGRAM DESCRIPTIONS ARE PRESENTED IN THE APPENDIX FOR: EAST HIGH IN DENVER; TOLEDO PUBLIC SCHOOLS IN OHIO; TRENTON HIGH IN NEW JERSEY; CHURCHILL HIGH IN EUGENE, OREGON; CONCORD-CARLISLE IN MASSACHUSETTS; LINCOLN-SUDBURY IN MASSACHUSETTS; MINNETONKA HIGH IN EXCELSIOR, MINNESOTA; ST. ALBAN'S IN WASHINGTON D.C.; STERLING SCHOOL IN CRAFTSBURY COMMON, VERMONT; WEBB-BELL BUCKLE IN BELL BUCKLE, TENNESSEE; GERMANTOWN FRIENDS SCHOOL IN PHILADELPHIA; AND ADAMS CITY HIGH IN DENVER. MAJOR RECOMMENDATIONS PRESENTED ARE OB SHOULD: NOT IMPOSE ITS PHILOSOPHY UPON ITS PARTICIPATING SCHOOLS; BE SENSITIVE TO INSTITUTIONAL AND ADMINISTRATIVE PROGRAM READINESS; LEAVE PROGRAM DIRECTION/DEVELOPMENT TO SCHOOL PERSONNEL AS SOON AS POSSIBLE; CONSIDER THE KIND/DEGREE OF OB INVOLVEMENT (SPECIAL VS MAINSTREAM); AND CONTINUE TO ENCOURAGE INFORMATION DISSEMINATION AMONG PARTICIPATING SCHOOLS. THE CONCLUSIONS PRESENTED RE: OB IMPACT ARE OB PROGRAMS: FUNCTION AS A CATALYST; LEGITIMIZE EXPERIENTIAL EDUCATION; AND SERVE AS A VEHICLE FOR CURRICULUM REFORM. (JC)

```
AN  - ED129520
CHAN- RC009481
TI  - OUTWARD BOUND: A MEANS OF IMPLEMENTING GUIDANCE OBJECTIVES.
AU  - LOVETT, RICHARD A.
PD  - JUL 71
NO  - 63P.; MASTER'S PROJECT, UNIVERSITY OF TOLEDO
IS  - RIE77FEB
PR  - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
AV  - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH,
      CONNECTICUT 06830 ($1.00). INTER-LIBRARY LOAN, UNIVERSITY TOLEDO,
      TOLEDO, OHIO 43606
DT  - R
IT  - *COMPARATIVE ANALYSIS; COUNSELING EFFECTIVENESS
IT  - *COUNSELING GOALS; COUNSELOR ROLE; DECISION MAKING
IT  - *EDUCATIONAL OBJECTIVES; FEMALES; GRADE 11; GRADE 12: GUIDANCE
IT  - *HIGH SCHOOL STUDENTS; HYPOTHESIS TESTING; LITERATURE REVIEWS
IT  - MALES; MASTERS THESES; *OUTDOOR EDUCATION; *SELF CONCEPT
IT  - SOCIAL RELATIONS; SURVEYS
ST  - EXPERIENTIAL LEARNING; *OUTWARD BOUND; TOLEDO PUBLIC SCHOOLS OH
AB  - TESTING THE NULL HYPOTHESIS THAT THERE WOULD BE NO DIFFERENCES IN
      SELF REPORTS ON A SENTENCE COMPLETION QUESTIONNAIRE (10 ITEMS)
      RE: UNDERSTANDING OF SELF AND OTHERS BETWEEN 39 STUDENTS WHO HAD
      PARTICIPATED IN OUTWARD BOUND (OB) AND A MATCHED GROUP OF 39
      NON-PARTICIPANTS, 78 WOODWARD HIGH SCHOOL (TOLEDO, OHIO) MALE AND
      FEMALE, JUNIOR AND SENIOR STUDENTS WERE SURVEYED. LITERATURE IN
      THE COUNSELING FIELD WAS COMPARED WITH THAT OF OB FOR PURPOSES OF
      DEMONSTRATING THE COMPATIBILITY OF OB AND COUNSELING OBJECTIVES
      IN THE OB EXPERIENTIAL LEARNING SITUATION. RESULTS INDICATED:
      GUIDANCE COUNSELING AND OB OBJECTIVES WERE QUITE SIMILAR;
      COUNSELORS HAVE HAD DIFFICULTY FULFILLING THEIR OBJECTIVES IN THE
      TRADITIONAL SCHOOL SETTING; THE OB PROGRAM IS STRUCTURED SO AS TO
      FOSTER FULFILLMENT OF COUNSELING OBJECTIVES; OB STUDENT
      PARTICIPANTS WERE MORE POSITIVELY AWARE OF SELF AND MORE
      CONFIDENT IN DECISION MAKING AND SOCIAL INTERACTIONS THAN
      NON-PARTICIPANTS; STUDENTS WORKING WITH GUIDANCE COUNSELORS IN A
      PROGRAM BASED ON OB WOULD BECOME MORE AWARE OF SELF AND OTHERS
      THAN THOSE PARTICIPATING IN A SIMILARLY STRUCTURED PROGRAM
      WITHOUT THE PRESENCE OF GUIDANCE COUNSELORS; HIGH SCHOOL GUIDANCE
      COUNSELORS WORKING IN A PROGRAM PROMOTING OB CONCEPTS WOULD MORE
      LIKELY FULFILL THEIR TRUE COUNSELING ROLES AND FOSTER THE
      COUNSELING CONCEPTS THEIR PROFESSION MOST DESIRES TO PROMOTE. (JC)
```

```
AN   - ED129521
CHAN- RC005462
TI   - EVALUATION OF OUTWARD BOUND TEACHERS' PRACTICA (D-T3, C-36T,
       C-39T, SUMMER 1969).
AU   - HAWKES, GLENN; AND OTHERS
OS   - OUTWARD BOUND, INC., GREENWICH, CONN.
PD   - MAR 70
NO   - 51P.
IS   - RIE77FEB
PR   - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
AV   - OUTWARD BOUND, INC., 165 WEST PUTNAM AVENUE, GREENWICH,
       CONNECTICUT 06830 ($1.00)
DT   - R
IT   - ACADEMIC EDUCATION; DECISION MAKING; *GROUP DYNAMICS
IT   - *INDIVIDUAL DEVELOPMENT; LEARNING PROCESSES; MIGRANT WORKERS
IT   - *OUTDOOR EDUCATION; *PROGRAM EVALUATION; RURAL AREAS
IT   - SENSITIVITY TRAINING; SKILL DEVELOPMENT
IT   - STUDENT TEACHER RELATIONSHIP; *TEACHER EDUCATION; URBAN AREAS
ST   - COLORADO; DARTMOUTH COLLEGE; *EXPERIENTIAL LEARNING
ST   - *OUTWARD BOUND
AB   - THE PERSONAL AND PROFESSIONAL IMPACT OF TWO OUTWARD BOUND (OB)
       TEACHER'S PRACTICA (23-DAY COURSES INCLUDING GROUP AND SOLO
       WILDERNESS SURVIVAL, 3-DAY URBAN GHETTO, MIGRANT FAMILY EXPOSURE,
       AND ACADEMIC COMPONENTS) WERE EVALUATED BY A 5-MEMBER TEAM WHO
       ANALYZED POST-EXPERIENCE DATA DERIVED FROM PERSONAL INTERVIEWS
       (N=34); MAILED QUESTIONNAIRES (N=34); TAPES OF DEBRIEFING
       SESSIONS; TEACHER'S JOURNALS; AND FINAL PAPERS SUBMITTED BY THE
       PARTICIPANTS. A TOTAL OF 12 NATIONAL AND LOCAL OB STAFF MEMBERS
       WERE ALSO INTERVIEWED. GENERALLY, RESULTS INDICATED SIGNIFICANT
       CHANGES IN TEACHER BEHAVIOR (GREATER STUDENT SENSITIVITY, GREATER
       CONCERN FOR STUDENT NEEDS, AND LESS CONCERN FOR TRADITIONAL
       SCHOOL RITUALS AND CODES), BUT IT WAS RECOMMENDED THAT PROGRAM
       IMPROVEMENT COULD BE MADE VIA: GOAL CLARIFICATION; GREATER
       EMPHASIS ON THE RELEVANCE OF OB EXPERIENCES TO CLASSROOM
       TEACHING; GREATER OB STAFF SENSITIVITY TO THE NATURE OF TEACHERS;
       AN ACADEMIC COMPONENT THAT WAS MORE EXPERIENTIAL THAN
       THEORETICAL; A PREPARATORY READING LIST: LESS EMPHASIS UPON THE
       "PEAK EXPERIENCE" OF THE SOLO COMPONENT; INCLUSION OF THE HIGHLY
       SUCCESSFUL URBAN COMPONENT IN THE DARTMOUTH PROGRAM; GOAL
       CLARIFICATION OF THE MIGRANT COMPONENT FOR BOTH MIGRANT FAMILIES
       AND PARTICIPANTS; INCLUSION OF MORE SKILL TRAINING; RELOCATION OF
       THE DARTMOUTH COURSE TO A LESS INHABITED AREA; SUPPORTIVE
       FOLLOW-UP EFFORTS; MORE GROUP DECISION MAKING; ETC. (JC)
```

```
AN  - ED129523
CHAN- RC009485
TI  - A MANUAL OF OUTDOOR EDUCATION.
AU  - MILLER, REX A.
OS  - CAMP SPEERS-ELJABAR YMCA, WESTFIELD, N.J.
PD  -  74
NO  - 103P.; NOT AVAILABLE IN HARD COPY DUE TO EXTENSIVE USE OF COLORED
      PAPER IN ORIGINAL DOCUMENT
IS  - RIE77FEB
PR  - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
DT  - G
IT  - BIBLIOGRAPHIES; CREATIVE ART; *CURRICULUM GUIDES; DEFINITIONS
IT  - *DISCOVERY LEARNING; GROUP DYNAMICS; INTEGRATED ACTIVITIES
IT  - INTERDISCIPLINARY APPROACH; LANGUAGE ARTS; *LEADERS GUIDES
IT  - LEADERSHIP; LEARNING ACTIVITIES; *LESSON PLANS; MATHEMATICS
IT  - NATURAL SCIENCES; *OUTDOOR EDUCATION; PHYSICAL EDUCATION
IT  - RECREATION; *RESIDENT CAMP PROGRAMS; SENSORY EXPERIENCE
IT  - SOCIAL SCIENCES
AB  - WITHIN THE REALM OF OUTDOOR EDUCATION, THERE ARE AS MANY
      DEFINITIONS OF WHAT IT IS OR WHAT IT ISN'T AS THERE ARE BOOKS.
      ONE DEFINITION IS THAT OUTDOOR EDUCATION IS TEACHING OUTSIDE THE
      CLASSROOM. IT COMBINES WITH AND BLENDS AS PART OF THE TOTAL
      CURRICULUM. THIS HANDBOOK IS DESIGNED AS A MANUAL TO HELP TRAIN
      AND SUPPORT STAFF RELATED TO OUTDOOR EDUCATION PROGRAMS. ALTHOUGH
      IT IS SPECIFICALLY ORIENTED TOWARD RESIDENT OUTDOOR EDUCATION
      PROGRAMS, MOST OF THE MATERIAL HAS BEEN GENERALIZED AND CAN
      EASILY BE USED BY A SCHOOL OR RESIDENT CENTER IN DEVELOPING AN
      APPROACH TO OUTDOOR EDUCATION. THE HANDBOOK INCLUDES: (1)
      DISCUSSIONS OF SENSORY AWARENESS, DISCOVERY LEARNING, GROUP
      DYNAMICS AND LEADERSHIP, AND THE THREE-LEGGED STOOL OF GROUP
      FUNCTION STYLES OF LEADERSHIP; (2) LESSON UNITS FOR TEACHING
      CREATIVE ARTS, LANGUAGE ARTS, NATURAL SCIENCE, MATH, PHYSICAL
      EDUCATION AND RECREATION, AND SOCIAL SCIENCE; AND (3) SAMP[illegible] OF
      FORMS, LISTS, AND EVALUATIONS, I.E., LETTER TO PARENTS, EQ[illegible]MENT
      LIST, HEALTH FORM, PERMISSION SLIP FORM, A DAILY PROGRAM
      SCHEDULE, CAMP RULES AND REGULATIONS, DINING ROOM PROCEDURE
      (FAMILY STYLE FEEDING), SCHOOL MENU LIST, ACTIVITY SIGN-UP
      SHEETS, STUDENT INSTRUCTORS' RESPONSIBILITIES AND CAMP CONTRACT,
      AND PARENT ON-SITE EVALUATION. A 20-ITEM BIBLIOGRAPHY ON THEORIES
      AND PRACTICES OF OUTDOOR EDUCATION IS INCLUDED. (NQ)
```

```
AN   - ED129524
CHAN- RC009487
TI   - A TWO-WEEK RESIDENT CAMP OFFERING THE PRIMARY OBJECTIVE OF
       PREDETERMINED ATTITUDE CHANGE FOR EARLY ADOLESCENTS.
AU   - COONS, ERNEST M.
PD   - MAY 73
NO   - 212P.; PH.D. DISSERTATION, UNIVERSITY OF NEW MEXICO
IS   - RIE77FEB
PR   - DOCUMENT NOT AVAILABLE FROM EDRS.
AV   - INTER-LIBRARY LOAN, UNIVERSITY OF NEW MEXICO, ALBUQUERQUE, NEW
       MEXICO 87106
DT   - T
IT   - *ADOLESCENTS; *CHANGING ATTITUDES; COMPARATIVE ANALYSIS
IT   - DISADVANTAGED YOUTH; DOCTORAL THESES; EDUCATIONAL ATTITUDES
IT   - EDUCATIONAL DEVELOPMENT; LEARNING PROCESSES; LITERATURE REVIEWS
IT   - OUTDOOR EDUCATION; *PERCEPTUAL DEVELOPMENT; PROGRAM DEVELOPMENT
IT   - RATING SCALES; *RESIDENT CAMP PROGRAMS; *SELF CONCEPT
IT   - SOCIOECONOMIC INFLUENCES; SOCIOMETRIC TECHNIQUES
IT   - STUDENT ATTITUDES; VOCABULARY
AB   - A 12-DAY RESIDENT CAMP EXPERIENCE OFFERING THE PRIMARY OBJECTIVE
       OF PREDETERMINED ATTITUDINAL CHANGE FOR THE PARTICIPANTS WAS
       DEVELOPED AND COMPARED WITH A 12-DAY "TYPICAL CAMP" PROGRAM.
       AREAS OF CONCERN WERE THE DEVELOPMENT OF A MORE POSITIVE
       SELF-CONCEPT AND MORE POSITIVE ATTITUDES TOWARD SCHOOL AND THE
       LEARNING PROCESS. BASIC PURPOSE OF THE "TYPICAL CAMP" PROGRAM WAS
       TO USE THE SAME FACILITIES, STAFF, AND SIMILAR POPULATION AS A
       CONTROL GROUP TO COMPARE THE PROGRAMS. THE SAMPLE INCLUDED
       CHILDREN, AGE 10-13, DEFINED AND SELECTED AS EITHER CULTURALLY,
       EDUCATIONALLY, SOCIALLY OR ECONOMICALLY DISADVANTAGED, AND
       CHILDREN FROM THE SAME SCHOOLS WHO HAD PROVEN LEADERSHIP ABILITY
       AND POSITIVE ATTITUDES TOWARD SCHOOL. RATING SCALES WERE
       DEVELOPED WHICH PARALLEL THE FIVE ELEMENTS IDENTIFIED AS BEING
       THE MAJOR FACTORS COMPRISING SELF-CONCEPT AND ATTITUDES TOWARD
       LEARNING: PHYSICAL, SOCIAL-ETHICAL, AND PSYCHO-SEXUAL
       PERCEPTIONS; AND ATTITUDES TOWARD THE VALUE OF LEARNING, OF
       SCHOOL, AND OF THE TEACHER IN THE LEARNING PROCESS. DEVELOPED
       WERE: SELF-RATING, STAFF-RATING, AND GUIDANCE STAFF RATING SCALES
       AND A "GUESS WHO" SOCIOMETRIC TECHNIQUE. THE THREE RATING SCALES
       INDICATED THAT MORE POSITIVE ATTITUDES RESULTED FROM THE
       EXPERIMENTAL GROUP THAN FROM THE CONTROL GROUP AT THE .05 LEVEL
       OF CONFIDENCE. THE RESULTS OF THE SOCIOMETRIC NOMINATION IN THE
       EXPERIMENTAL GROUP ALSO SUPPORTED THIS CHANGE. (NQ)
```

AN - ED129528
CHAN - RC009453
TI - OUTDOOR PURSUITS: SELF TO NATURE ACTIVITIES -- A SUPPLEMENT TO THE PHYSICAL EDUCATION COURSE OF STUDY. THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, MARCH 1974.
AU - MINGIE, WALTER; AND OTHERS
OS - PROTESTANT SCHOOL BOARD OF GREATER MONTREAL (ONTARIO).
PD - MAR 74
NO - 48P.
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
DT - G
IT - ACADEMIC ENRICHMENT; *ACTIVITY LEARNING; ATHLETIC EQUIPMENT
IT - CAMPING; CLASS ORGANIZATION; *COURSE CONTENT
IT - ELEMENTARY SECONDARY EDUCATION; *GUIDELINES; INSTRUCTIONAL AIDS
IT - LEARNING ACTIVITIES; *NEEDS; OBJECTIVES; *OUTDOOR EDUCATION
IT - *PHYSICAL EDUCATION; PHYSICAL RECREATION PROGRAMS; SAFETY
IT - SKILL DEVELOPMENT; SUPPLEMENTARY EDUCATION
AB - IN KEEPING WITH THE DEPARTMENT OF EDUCATION'S COURSE CONTENT IN PHYSICAL EDUCATION, THIS SUPPLEMENT TO THE PHYSICAL EDUCATION COURSE OF STUDY WAS PREPARED. SUGGESTIONS FOR TEACHING AND ORGANIZING CLASSES IN 16 "SELF TO NATURE" ACTIVITIES ARE OUTLINED. ACTIVITIES ARE: BACKPACKING, BICYCLING, BOATING, CAMPING, CANOEING, FISHING, HEBERTISME (AN OUTDOOR GYMNASTIC OR OBSTACLE COURSE), MOUNTAINEERING, ORIENTEERING, SAILING, SKATING, SKIING (ALPINE AND CROSS COUNTRY), SNOWSHOEING, SWIMMING, AND TOBOGGANING. OBJECTIVES, EQUIPMENT NEEDED, SKILLS, PRECAUTIONS NECESSARY, CLASS ORGANIZATION, AND PRELIMINARY INSTRUCTIONS ARE GIVEN FOR EACH ACTIVITY. THE LOCATION OF THE SCHOOL IN RELATION TO THE FACILITIES REQUIRED, THE AVAILABILITY OF THE EQUIPMENT NEEDED, AND THE ABILITY OF THE STAFF TO CONDUCT CLASSES IN THESE OUTDOOR PURSUITS, WILL DETERMINE WHAT ACTIVITIES CAN BE OFFERED TO THE STUDENTS. SCHOOLS WHICH HAVE CONDUCTED CLASSES IN THESE OUTDOOR PURSUITS HAVE FINANCED THE FACILITIES, EQUIPMENT AND TRANSPORTATION THROUGH SUCH MEANS AS THE ATHLETIC BUDGET, FIELD TRIP BUDGET (TRANSPORTATION), DIRECT CHARGE TO THE PARTICIPANTS, STUDENT SPONSORED MONEY RAISING EVENTS, AND ASSISTANCE FROM THE HOME AND SCHOOL ASSOCIATION. (NQ)

AN - ED129529
CHAN - RC005454
TI - PREPARING PUPILS FOR RESIDENT OUTDOOR EDUCATION: A GUIDE BASED ON TWO CLASSES OF 6TH GRADE PUPILS. THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, JANUARY 1975.
AU - MINGIE, WALTER; AND OTHERS
OS - PROTESTANT SCHOOL BOARD OF GREATER MONTREAL (ONTARIO).
PD - JAN 75
NC - 16P.
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
DT - G
IT - *ACTIVITY LEARNING; CAMPING; CLASSIFICATION; CULTURAL AWARENESS
IT - DANCE; ELEMENTARY EDUCATION; FIRST AID; FOLK CULTURE; GEOLOGY
IT - GRADE 6; INSTRUCTIONAL AIDS; *LEARNING ACTIVITIES; MUSIC
IT - *OUTDOOR EDUCATION; *RESIDENT CAMP PROGRAMS; *RESOURCE GUIDES
IT - SAFETY; TREES
AB - THE RESIDENTIAL OUTDOOR PROGRAM INVOLVED 60 SIXTH GRADE STUDENTS, DIVIDED INTO 5 GROUPS, DISTRIBUTED AS EVENLY AS POSSIBLE. EACH GROUP CONSISTED OF LEADERS, FOLLOWERS, AND CHILDREN WITH EXPERIENCE IN THE FIELD AND THOSE WITHOUT EXPERIENCE. TEACHERS WERE ALSO DIVIDED INTO 5 GROUPS, USUALLY TWO OR THREE WORKING TOGETHER. EACH TEAM OF TEACHERS CHOSE TWO TOPICS WHICH THEY CONSIDERED THE MOST BENEFICIAL FOR THEIR CHILDREN'S TRAINING. EACH TEAM TAUGHT BOTH OF THEIR TOPICS FIVE TIMES; THUS, EACH GROUP OF CHILDREN EXPERIENCED ALL TOPICS. TOPICS WERE: COOKING, MUSIC, FIRST AID, WATERPROOFING, EROSION AND LAND FORMS, SHELTERS AND LATRINES, TREES, AMERICAN INDIAN LORE, ORIENTEERING, WATER SAFETY, AND TRACKS IDENTIFICATION. A GENERAL SESSION WAS HELD FOR ALL CHILDREN AND STAFF TO LEARN FOLK DANCING. THIS GUIDE BRIEFLY OUTLINES THE PUPILS' PREPARATION IN EACH TOPIC FOR THEIR RESIDENTIAL OUTDOORS SCHOOL. (NQ)

```
AN   - ED129530
CHAN- RC009496
TI   - SCHOOLYMPIC ACTIVITIES, 75-76. (ACTIVITES ECOLYMPIQUES, 75-76.)
       THE PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, FEBRUARY 1975.
AU   - HUTTON, LEE, COMP.; AND OTHERS
CS   - PROTESTANT SCHOOL BOARD OF GREATER MONTREAL (ONTARIO).
PD   - FEB 75
NO   - 57P.; IN FRENCH AND ENGLISH
IS   - RIE77FEB
PR   - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
DT   - C
IT   - BILINGUAL EDUCATION; CREATIVE ART; *CURRENT EVENTS
IT   - *CURRICULUM GUIDES; ELEMENTARY SECONDARY EDUCATION; FILMS; FRENCH
IT   - GROUP ACTIVITIES; HISTORY; *INTERDISCIPLINARY APPROACH
IT   - KINESTHETIC PERCEPTION; LANGUAGE ARTS; *LEARNING ACTIVITIES
IT   - MOTIVATION TECHNIQUES; MUSIC; OUTDOOR EDUCATION
IT   - PHYSICAL EDUCATION; *SIMULATION; SOCIAL SCIENCES
IT   - STUDENT MOTIVATION
ST   - *OLYMPIC GAMES
AB   - COMPILED BY THE CURRICULUM DEPARTMENT OF THE PROTESTANT SCHOOL
       BOARD OF GREATER MONTREAL, THIS FRENCH AND ENGLISH GUIDE IS
       INTENDED TO AID TEACHERS TO CAPITALIZE UPON THE OLYMPIC GAMES TO
       PROMOTE EDUCATIONALLY SOUND ACTIVITIES. THE OBJECTIVE IS TO
       DEVELOP AN INTEREST IN THE STUDENTS OF THE AIMS OF THE OLYMPIC
       MOVEMENT AND TO DEVELOP A SOUND MIND IN A SOUND BODY. THE GUIDE
       INCLUDES THE OLYMPIC MOTTO, SPIRIT, AND SYMBOLS; THE OLYMPIC
       ANTHEM; OBJECTIVES OF THE OLYMPIC MOVEMENT; A BRIEF HISTORICAL
       BACKGROUND OF THE OLYMPIC GAMES; AND THE OLYMPIC STANDARDS FOR
       MEN AND WOMEN. USING THE OLYMPICS AS A THEME, ACTIVITIES ARE
       GIVEN FOR TEACHING LANGUAGE ARTS (UPPER ELEMENTARY AND JUNIOR
       HIGH), ART, CREATIVE ARTS AND CRAFTS, HOME ECONOMICS, MUSIC,
       MOVEMENT EDUCATION, PHYSICAL EDUCATION, AND SOCIAL SCIENCES. (NQ)
```

```
AN   - ED129531
CHAN- PC009497
TI   - LOCATE, PLAN, DEVELOP, USE AN OUTDOOR CLASSROOM.
OS   - SOIL CONSERVATION SERVICE (DOA), UPPER DARBY, PA.
PD   - APR 75
NO   - 29P.
IS   - RIE77FEB
PR   - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
DT   - G
IT   - ACTIVITIES; ADVISORY COMMITTEES; ANNOTATED BIBLIOGRAPHIES
IT   - COMMUNITY INVOLVEMENT; DISCOVERY LEARNING; EDUCATIONAL OBJECTIVES
IT   - ELEMENTARY SECONDARY EDUCATION; FACILITIES; *GUIDES
IT   - LANGUAGE ARTS; MATHEMATICS; NATURAL RESOURCES; NEEDS ASSESSMENT
IT   - *OUTDOOR EDUCATION; *PLANNING; *PROGRAM DEVELOPMENT
IT   - RESOURCE GUIDES; SCIENCES; *SITE DEVELOPMENT; *SITE SELECTION
AB   - DESIGNED TO AID EDUCATIONAL INSTITUTIONS AND COMMUNITY
       ORGANIZATIONS IN SELECTING, PLANNING, DEVELOPING AND USING
       OUTDOOR LEARNING AREAS AS OUTDOOR CLASSROOMS, THIS GUIDE
       INCLUDES: (1) LEARNING BY DISCOVERY (SCIENTIFIC, CULTURAL, AND
       RECREATIONAL GOALS); (2) THE INITIAL PLANNING EFFORT (USE OF: A
       PLANNING COMMITTEE INCLUDING TEACHERS, ADMINISTRATORS, LOCAL
       LEADERS, AND STUDENTS; A TECHNICAL ADVISORY COMMITTEE; SOILS
       MAPS; NATURAL RESOURCE INVENTORIES; REFERENCE BOOKS); (3) SITE
       SELECTION (EXAMPLES OF SITES WITH: SCHOOL PROXIMITY; SOIL
       DIVERSITY; WATER; SPECIFIC VEGETATION; ETC.); (4) SOILS MAPPING
       AND RESOURCE INVENTORY (DEVELOPMENT OF: MAPS WITH PHOTOGRAPHIC
       ENLARGEMENTS; SITE VISITS; AN AGRONOMIC AND TOWN/COUNTRY PLANNING
       BALANCE; AREA INVENTORIES SUCH AS CUTOVER WOODLAND, WET, WHITE
       PINE AND POND, BROOK, AND WOODLAND AREAS); (5) PLANNING THE
       OUTDOOR CLASSROOM (FACILITIES AND SPECIAL STUDY POINTS SUCH AS:
       SOIL EROSION; WEATHER STATIONS; PIONEER LIVING; OBSERVATION
       PLATFORMS; ORIENTATION COURSES; SOIL PROFILES; WATER WELLS; TREE
       STUMPS; TRAILS; ETC.); (6) SITE DEVELOPMENT (FINANCING, STUDENT
       CONSTRUCTION, COMMITTEES, ETC.); (7) USING AND MAINTAINING AN
       OUTDOOR CLASSROOM (SUGGESTIONS RE: BIOLOGY, CHEMISTRY, MATH,
       ARTS, SHOP, HOME ECONOMICS, SOCIAL STUDIES, VOCATIONAL
       AGRICULTURE, ECOLOGY, COMMUNICATION, AND ENGLISH); (8)
       BIBLIOGRAPHY (24 ANNOTATED CITATIONS AND TWO FILMS). (JC)
```

AN - ED129532
CHAN- RC009458
TI - OUTDOOR EDUCATION FOR EMOTIONALLY HANDICAPPED STUDENTS IN CENTRAL NEW YORK. FINAL REPORT, SEPTEMBER 1975. A REPORT ON PROJECT 75-940 FOR HANDICAPPED CHILDREN UNDER TITLE VI-B (AUGUST 1, 1974-JULY 31, 1975).
AU - MILLER, JAMES
OS - ONONDAGA NATURE CENTERS, INC., BALDWINSVILLE, N.Y.
PD - SEP 75
NC - 70P.
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
SPO - BUREAU OF EDUCATION FOR THE HANDICAPPED (DHEW/OE), WASHINGTON, D.C.
SPO - NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU FOR MENTALLY HANDICAPPED CHILDREN.
DT - R
IT - COMMUNICATION SKILLS; COMPARATIVE ANALYSIS
IT - EDUCATIONAL OBJECTIVES; *EFFECTIVE TEACHING
IT - *EMOTIONALLY DISTURBED; ENVIRONMENTAL EDUCATION
IT - FORMATIVE EVALUATION; MOTOR DEVELOPMENT; *OUTDOOR EDUCATION
IT - PARTICIPANT INVOLVEMENT; PILOT PROJECTS; *PROGRAM EVALUATION
IT - SELF CONCEPT; SOCIAL DEVELOPMENT; SPECIAL EDUCATION
IT - *STUDENT ATTITUDES; *STUDENT BEHAVIOR; STUDENT DEVELOPMENT
IT - TEACHER EVALUATION
ST - ELEMENTARY SECONDARY EDUCATION ACT TITLE VI B; ESEA TITLE VI B
ST - *NEW YORK (CENTRAL)

AB - PRE- AND POST-TESTS WERE ADMINISTERED TO THREE TREATMENT (136 EMOTIONALLY HANDICAPPED, 8 PHYSICALLY HANDICAPPED, AND 79 TRAINABLE MENTALLY RETARDED STUDENTS) AND TWO NON-TREATMENT GROUPS (11 EMOTIONALLY HANDICAPPED AND 70 NON-HANDICAPPED STUDENTS) FOR PURPOSES OF ASSESSING TEACHER, STUDENT, AND PROGRAM CENTERED OBJECTIVES. ADMINISTERED OR COMPLETED BY THE 21 TEACHERS INVOLVED, THE INSTRUMENTS EMPLOYED WERE: THE STUDENT CONTENT TEST; THE STUDENT ATTITUDE SURVEY; THE GENERAL CLASSROOM BEHAVIOR TEACHER RATING SCALE; THE PARTICIPANT EVALUATION; AND THE PARTICIPANT NARRATIVE EVALUATION. THE FOUR TEACHER CENTERED OBJECTIVES FOCUSED ON KNOWING THE WHAT, WHERE, HOW, AND WHY OF OUTDOOR TEACHING; THE THREE STUDENT CENTERED OBJECTIVES FOCUSED ON INCREASED COMPREHENSION OF THE NATURAL WORLD, SELF, AND OTHERS; AND THE PROGRAM OBJECTIVES FOCUSED ON IMPROVEMENT OF STUDENT COMMUNICATION SKILLS, UNDERSTANDING RE: LOCAL ENVIRONMENT AND ENVIRONMENTAL PROBLEMS, SOCIAL RESPONSES, AND MANIPULATIVE/MOTOR SKILLS. RESULTS INDICATED 7 OF THE 13 OBJECTIVES WERE MET AND 3 WERE PARTIALLY MET, WHILE 3 OF THE PROGRAM OBJECTIVES WERE NOT DIRECTLY MEASURABLE. SINCE 3 OF THE 13 OBJECTIVES WERE NOT MEASURABLE, IT WAS CONCLUDED THAT THE PROJECT WAS NEARLY 100% SUCCESSFUL. (JC)

AN - ED129533
CHAN - RC009502
TI - RINGED BIRDS: STORY OF BIRD BANDING AT THE LORADO TAFT FIELD CAMPUS, 1956-1973. TAFT CAMPUS OCCASIONAL PAPER NO. 18.
AU - GUPTILL, WAYNE; WADE, DOUGLAS E.
OS - NORTHERN ILLINOIS UNIV., OREGON. LORADO TAFT FIELD CAMPUS.
PD - 6 MAY 74
NO - 19P.
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
DT - R
IT - *ANIMAL BEHAVIOR; BIBLIOGRAPHIES; EDUCATIONAL PHILOSOPHY
IT - *LEARNING ACTIVITIES; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
IT - RECORDKEEPING; RESEARCH METHODOLOGY; *TEACHER EDUCATION
ST - *BIRD BANDING; *NORTHERN ILLINOIS UNIVERSITY TAFT FIELD CAMPUS
AB - PUBLISHED TO AID STUDENTS IN COMPREHENDING THE PHILOSOPHY OF THE DEPARTMENT OF OUTDOOR TEACHER EDUCATION AT NORTHERN ILLINOIS' TAFT FIELD CAMPUS, THIS PAPER ON BIRD BANDING ENCOMPASSES: (1) A BRIEF HISTORY OF BIRD BANDING; (2) THE RATIONALE BEHIND BIRD BANDING; (3) A DESCRIPTION OF THE BIRD BANDING STATION AT THE LORADO TAFT FIELD CAMPUS AND ITS HISTORY FROM 1956 TO 1973, INCLUDING A SUMMARY OF THE NUMBER AND SPECIES OF BIRDS BANDED; (4) THE TYPES OF TRAPS USED; (5) TAFT'S RECORD KEEPING PROCEDURES, INCLUDING EXEMPLARY FORMS; (6) AN ANALYSIS OF THE TAFT STATION BANDING RECORDS; (7) STATISTICS RELATIVE TO THE TAFT BIRDS FOUND ELSEWHERE; (8) THE MORTALITY RATE OF THE BIRDS BANDED AT TAFT; (9) STATISTICS ON BIRD MIGRATION PATTERNS; (10) PREVENTION OF THE HARMFUL USE OF BIRD BANDS; (11) THE POPULATION DYNAMICS OF TAFT BIRDS; (12) THE YEARLY PERCENTUM OF RETURNS OF THE BIRDS BANDED AT TAFT; (13) THE LONGEVITY OF BIRDS; (14) THE EDUCATIONAL IMPLICATIONS OF BANDING ACTIVITIES; (15) SUGGESTIONS FOR IMPROVEMENT OF BIRD BANDING AT TAFT (E.G., PROMOTE ANNUAL WORKSHOPS ON BIRD BANDING; REQUIRE A SHORT COURSE ON BIRD BANDING FOR ALL GRADUATE ASSISTANTS AT TAFT; DEVELOP A COLOR BANDING PROCEDURE; IMPROVE/STANDARDIZE THE WEATHER STATION; PREPARE PUBLICATIONS RE: BANDING OUTCOMES; PROMOTE SUSTAINED RESEARCH; ETC.); (16) A BIRD BANDING BIBLIOGRAPHY (7 PERIODICALS, 2 CATALOGUES, AND 17 ANNOTATED BOOK, ARTICLE, AND PAMPHLET CITATIONS). (JC)

AN - ED129534
CHAN- RC009503
TI - GLOSSARY OF WATER RESOURCES TERMS. TAFT CAMPUS OCCASIONAL PAPER NO. X.
AU - VOGL, ROBERT; VOGL, SONIA
OS - NORTHERN ILLINOIS UNIV., OREGON. LORADO TAFT FIELD CAMPUS.
PD - 73
NO - 10P.
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
DT - V
IT - *GLOSSARIES; *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION
IT - *TEACHER EDUCATION; *WATER RESOURCES
AB - A PRODUCT OF THE DEPARTMENT OF OUTDOOR TEACHER EDUCATION PROGRAM AT NORTHERN ILLINOIS UNIVERSITY, THIS GLOSSARY OF WATER RESOURCES TERMS INCLUDES 87 BRIEFLY DEFINED ENTRIES. EXAMPLES OF THE TERMS AND DEFINITIONS PRESENTED ARE: ACIDITY (PRESENCE OF ACIDS IN THE WATER WHICH PRODUCE A PH BELOW SEVEN); BATHYMETRY (STUDY OF LAKE BOTTOM CONTOURS); COLIFORM BACTERIA (A GROUP OF HARMLESS BACTERIA WHICH EXIST IN THE INTESTINES OF WARM BLOODED ANIMALS, USUALLY AN INDICATION OF THE PRESENCE OF SEWAGE OR HARMFUL BACTERIA); DROGUE (A DEVICE USED TO MEASURE WATER CURRENTS, USUALLY SUPPORTED BY A BUOY); EPILIMNION (THE WARM, LIGHT, UPPER LEVEL OF A STRATIFIED LAKE); GROIN (A NARROW STRUCTURE BUILT OUT INTO A LAKE FROM THE SHORE WHICH IS MEANT TO PROTECT THE SHORE FROM EROSION); HYPOLIMNION (THE COLD, HEAVY, LOWER LEVEL OF A STRATIFIED LAKE); LEE (THE SIDE OF A LAKE AWAY FROM THE PREVAILING WINDS, OR AN AREA PROTECTED FROM THEM); MARINE (INVOLVED WITH LARGE BODIES OF WATER, USUALLY THOSE WHICH ARE SALINE); NUTRIENTS (MATERIALS WHICH SUPPORT GROWTH, ESPECIALLY OF PLANTS); OUTFALL (THE END OF A PIPE OR TUBE WHICH DISCHARGES EFFLUENT INTO A BODY OF WATER, OR THE EFFLUENT ITSELF); PARAMETERS (THINGS WHICH ARE MEASURED, USUALLY IN RELATION TO SCIENTIFIC STUDIES OR EXPERIMENTS); SALINE (SALTY); ZOOPLANKTON (ANIMAL PLANKTON). (JC)

AN - ED129535
CHAN- RC009504
TI - COOPERATIVE PROGRAMS IN RESIDENTIAL OUTDOOR ENVIRONMENTAL EDUCATION: TEACHER'S MATERIALS PACKET.
OS - MARIN COUNTY SUPERINTENDENT OF SCHOOLS, CORTE MADERA, CALIF.
NO - 28P.; NOT AVAILABLE IN HARD COPY DUE TO USE OF COLORED PAPER IN ORIGINAL DOCUMENT
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
DT - G
IT - *ACTIVITIES; ELEMENTARY SECONDARY EDUCATION
IT - *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION
IT - PROGRAM DESCRIPTIONS; RECORDS (FORMS); *RESIDENTIAL PROGRAMS
IT - TEACHER RESPONSIBILITY; TEACHER ROLE; *TEACHING GUIDES
ST - *CALIFORNIA (MARIN COUNTY); *REDWOOD GLEN RESIDENT OUTDOOR SC
AB - SERVING AS TEACHER ORIENTATION MATERIALS FOR THE COOPERATIVE PROGRAMS IN RESIDENTIAL OUTDOOR EDUCATION LOCATED IN MARIN COUNTY, CALIFORNIA, THIS GUIDE INCLUDES THE FOLLOWING: (1) "THIS I BELIEVE" (A PHILOSOPHICAL STATEMENT ON OUTDOOR ENVIRONMENTAL EDUCATION); (2) "OUTDOOR SCIENCE AND CONSERVATION EDUCATION REPORT" (A BRIEF HISTORY OF OUTDOOR EDUCATION; THE LEGALITY OF OUTDOOR ENVIRONMENTAL EDUCATION; A DESCRIPTION OF THE OBJECTIVES, STUDY AREAS, AND ACTIVITIES INCLUDED IN THE MARIN COUNTY PROGRAM; AND THE HISTORICAL DEVELOPMENT OF THE MARIN PROGRAM); (3) "ROLES AND RESPONSIBILITIES OF THE CLASSROOM TEACHER" (SPECIFICS RE: CLASS PREPARATION, CABIN GROUPING, PRE-OUTDOOR ACTIVITIES, CURRICULUM PLANNING, TEACHER PARTICIPATION, AND CLASSROOM FOLLOW-UP); (4) "OUTDOOR EDUCATION ACTIVITY: A ONE-WEEK SEQUENCE" (EXEMPLIFIES THE WAY IN WHICH THE OUTDOORS MAY BE USED AS A LEARNING ENVIRONMENT AND INCLUDES EDUCATIONAL OBJECTIVES RE: STREAM, MEADOW, CHAPARRAL, TIDE POOL, OCEAN, FOREST, AND MARSH ENVIRONMENTS); (5) "ALONG THE WAY: A ROUTE TO MARIN COUNTY'S RESIDENT OUTDOOR SCHOOL" (INCLUDES A MAP OF THE SAN FRANCISCO BAY AREA AND A NARRATIVE DESCRIBING MAJOR POINTS OF INTEREST IN TERMS OF THEIR ENVIRONMENTAL HISTORY); (6) THE PARENTAL PERMISSION AND HEALTH FORMS USED BY THE MARIN COUNTY SCHOOLS OUTDOOR SCIENCE AND CONSERVATION EDUCATION PROGRAM. (JC)

AN - ED129536
CHAN- RC009505
TI - AN EMPIRICAL RESEARCH STUDY OF 4-H CLUB CAMPING IN SOUTHEAST MISSOURI.
AU - AKERS, LESTER O.
PD - 68
NO - 42P.; A REPORT PRESENTED TO THE DEPARTMENT OF EXTENSION EDUCATION, UNIVERSITY OF MISSOURI, COLUMBIA, FOR A SPECIAL PROBLEM IN EXTENSION EDUCATION 400
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
DT - R
IT - *CAMPING; COSTS; EXTENSION AGENTS; EXTENSION EDUCATION
IT - GROUP MEMBERSHIP; *OUTDOOR EDUCATION; PARENTS; PROGRAM EVALUATION
IT - PUBLICIZE; RECREATIONAL ACTIVITIES; RECRUITMENT; *SURVEYS
IT - *TABLES (DATA); TEACHING METHODS; YOUTH; *YOUTH CLUBS
ST - *4H CLUBS; *MISSOURI (SOUTHEAST)
AB - INVESTIGATING THE NATURE, SCOPE, AND SIGNIFICANCE OF 4-H CLUB CAMPING EXPERIENCES AND THE DEVELOPMENT OF EXTENSION EDUCATION IN 17 SOUTHEAST MISSOURI COUNTIES, AN EVALUATIVE ANALYSIS WAS MADE OF DATA DERIVED FROM QUESTIONNAIRES DIRECTED TO: 1967 4-H CAMPERS (N=231); CAMPER PARENTS (N=36); 4-H NON-CAMPERS AND THEIR PARENTS (N=29); RANDOMLY SELECTED CAMPERS AND NON-CAMPERS (N=10 EACH); AND EXTENSION AGENTS (N=12). CORRELATING PUBLISHED TECHNICAL DATA WITH THAT FROM THE FIVE QUESTIONNAIRES, THE FOLLOWING WERE ADDRESSED: REASONS FOR 4-H CAMPING; ACTIVITIES PREFERRED TO CAMPING; PROGRAM ACTIVITIES CONSIDERED IMPORTANT BY CAMPERS AND NON-CAMPERS; CAMPING COSTS AND DECREASES IN CAMPING MEMBERSHIP; REASONS FOR DECREASES IN CAMP MEMBERSHIP AND ADULT CAMPING ENTHUSIASM; YOUTH AGENTS AND THE NEED FOR TECHNICAL TRAINING RE: CAMPING; EXTENSION PERSONNEL RATINGS RE: CAMPING AS A TEACHING METHOD, A RECREATION ACTIVITY, AND A 4-H PROMOTION TECHNIQUE. RESULTS INDICATED: CAMPING MEMBERS, THEIR PARENTS, AND EXTENSION AGENTS THINK CAMPING IS A VALUABLE EDUCATIONAL EXPERIENCE; AGENTS SEE CAMPING AS A METHOD OF TEACHING SOCIAL GROUP BEHAVIOR, INDIVIDUAL DEVELOPMENT, AND OUTDOOR SUBJECT MATTER; PARENTS AND AGENTS RATE CAMPING HIGH AS A RECREATIONAL ACTIVITY; IMPORTANT NEEDS INCLUDE EXPANDING ADULT AND MEMBER INVOLVEMENT IN PROGRAM DEVELOPMENT, DEVELOPING RECRUITMENT/PROMOTION METHODS, STUDYING BUSINESS MANAGEMENT OF CAMP FACILITIES, AND EDUCATING AGENTS ABOUT THE TECHNICAL NATURE OF CAMPING. (JC)

```
AN   - ED125537
CHAN - RC009506
TI   - ENVIRONMENTAL EDUCATION AND FIELD STUDIES PROGRAMS IN THREE
       SELECTED N. W. EUROPEAN AREAS.
AU   - VANDENHAZEL, B. J.
PC   - 76
NO   - 26P.; NOT AVAILABLE IN HARD COPY DUE TO EXTENSIVE USE OF COLORED
       PAPER IN ORIGINAL DOCUMENT
IS   - RIE77FEB
PR   - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
DT   - R
IT   - *COMPARATIVE ANALYSIS; CONCEPT FORMATION; EDUCATIONAL PROBLEMS
IT   - ENVIRONMENTAL EDUCATION; *FIELD STUDIES; HIGHER EDUCATION
IT   - ORGANIZATION; *OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
IT   - SCIENCE INSTRUCTION; SURVEYS; *TEACHER EDUCATION; *TEXTBOOKS
ST   - *EUROPE (NORTHWEST); NETHERLANDS; ONTARIO; UNITED KINGDOM
ST   - WEST GERMANY
AB   - DESCRIBING INFORMATION GATHERED FROM A THREE-WEEK (1976) TOUR OF
       ENVIRONMENTAL EDUCATION FIELD STUDIES PROGRAMS IN FACULTIES OF
       EDUCATION AND TEACHERS' COLLEGES LOCATED IN THE UNITED KINGDOM,
       THE NETHERLANDS, AND WESTERN GERMANY, THIS REPORT PRESENTS
       COMPARATIVE PROGRAM AND TEXT SUMMARIES AND RECOMMENDS PROCEDURES
       FOR THE ONTARIO MINISTRY OF EDUCATION IN CANADA. PRESENTED BY
       COUNTRY, THE SUMMARIES INCLUDE: ORGANIZATIONAL PROCEDURES;
       SCIENCE, GEOGRAPHY, AND GENERAL ENVIRONMENTAL TEXTS; PROGRAM
       SCOPE; SPECIAL INTERESTS; EDUCATIONAL PROBLEMS FREQUENTLY
       REFERRED TO IN THE MEDIA; EDUCATIONAL ENVIRONMENTAL TOPICS,
       CONCEPTS, COURSES, AND TEACHER GUIDES; AND THE TEXTS USED AT THE
       SECONDARY LEVEL. IN GENERAL, THIS REPORT INDICATES THAT IN THESE
       COUNTRIES, ELEMENTARY SCHOOL TEACHING REQUIRES THREE TO FOUR
       YEARS OF PREPARATION AT SPECIAL EDUCATIONAL INSTITUTES; FOUR TO
       SIX DAY FIELD SESSIONS IN GEOGRAPHY AND ENVIRONMENTAL SCIENCE
       DURING THE FIRST AND SECOND YEARS OF STUDY; AND SEVERAL HALF-DAY
       AND ONE-DAY FIELD STUDIES IN THE FINAL YEAR. RECOMMENDATIONS ARE
       PRESENTED AS FOLLOWS: ONTARIO STUDENT TEACHERS SHOULD BE INVOLVED
       IN A MINIMUM OF FIVE DAYS OF FIELD STUDIES PER YEAR AND SHOULD
       RECEIVE INSTRUCTION RE: PREPARATION/IMPLEMENTATION OF
       DAY-EXCURSIONS; AND THE ONTARIO MINISTRY OF EDUCATION SHOULD
       CONDUCT CONTINUOUS SURVEYS OF FOREIGN EDUCATIONAL LITERATURE AND
       SHOULD ENCOURAGE SCHOOL BOARDS TO RETAIN OR REPURCHASE SMALL
       RURAL SCHOOLS SUITABLE FOR FIELD STUDIES. (JC)
```

AN - ED129538
CHAN- RCC095CE
TI - A STUDY OF FACTORS IMPORTANT TO ENVIRONMENTAL (CONSERVATION-OUTDOOR) EDUCATION INSTRUCTION.
AU - BUTERBAUGH, WANDA KAY
PD - MAY 7C
NO - 82P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT. ME THESIS, SLIPPERY ROCK STATE COLLEGE
IS - RIE77FEB
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - INTER-LIBRARY LOAN, SLIPPERY ROCK STATE COLLEGE, SLIPPERY ROCK, PENNSYLVANIA 16057
CT - T
IT - BIOLOGICAL SCIENCES; CONCEPT FORMATION; CONSERVATION EDUCATION
IT - COURSE CONTENT; CURRICULUM; ELEMENTARY SCHOOL TEACHERS
IT - *ENVIRONMENTAL EDUCATION; *GRADUATE STUDY; INSERVICE COURSES
IT - LITERATURE REVIEWS; MASTERS THESES; *NEEDS ASSESSMENT
IT - OUTDOOR EDUCATION; *PROFESSIONAL PERSONNEL
IT - PROFESSIONAL RECOGNITION; *SURVEYS; *TEACHER EDUCATION
IT - *UNDERGRADUATE STUDY
AB - IN CONJUNCTION WITH A LITERATURE REVIEW, 100 RECOGNIZED LEADERS IN ENVIRONMENTAL EDUCATION AND RELATED FIELDS WERE SURVEYED VIA A MAIL QUESTIONNAIRE FOR PURPOSES OF DETERMINING THE KNOWLEDGE AND SKILL CONCEPTS DEEMED NECESSARY FOR OUTDOOR/ENVIRONMENTAL EDUCATION TEACHERS AT BOTH THE ELEMENTARY AND SECONDARY LEVELS. THE SURVEY ELICITED A 67% RESPONSE TO FIVE QUESTIONS RE: ENVIRONMENTAL EDUCATION; PROGRAM EMPHASIS; COURSE REQUIREMENTS; TEACHER IN-SERVICE TRAINING; KNOWLEDGE AND SKILL COMPETENCY LEVELS; AND THE GENERAL STATE OF TEACHER PREPARATION PROGRAMS. RESULTS INDICATED THAT UNDERGRADUATE PROGRAMS FOR OUTDOOR EDUCATORS SHOULD INCLUDE: ONE OR TWO ENVIRONMENTAL EDUCATION COURSES; AN ADEQUATE UNDERSTANDING OF THE BIOLOGICAL SCIENCES (BIOLOGY, BOTANY, HISTORY, AND PHILOSOPHY) AND ENVIRONMENTAL AND CONSERVATION EDUCATION CONCEPTS, HISTORY, AND PHILOSOPHY; AN INTEGRATED OR INTERDISCIPLINARY APPROACH TO COURSES IN BIOLOGY, HISTORY, GEOGRAPHY, POLITICAL SCIENCE, AND NATURAL RESOURCES; GREATER EMPHASIS UPON ELEMENTARY TEACHER PREPARATION CURRICULA. AT THE GRADUATE LEVEL, RESULTS INDICATED TEACHERS NEEDED: A MINIMUM OF 30 HOURS OF APPROVED COURSES; 6 HOURS OF PROFESSIONAL EDUCATION COURSES; A B AVERAGE; A 6-YEAR LIMIT ON THE MASTER'S DEGREE; A THESIS OR RESEARCH PROJECT; SPECIALIZATION IN OUTDOOR EDUCATION AND CONSERVATION, ENVIRONMENTAL EDUCATION STUDIES/PROBLEMS, OR SOCIAL STUDIES; AND FIELD WORK IN VARIOUS COURSES. (JC)

```
AN   - ED129549
CHAN - RC009542
TI   - A COMPARISON OF AFFECTIVE CHANGES BETWEEN ECONOMICALLY
       DISADVANTAGED AND ADVANTAGED SIXTH GRADERS AT A RESIDENT OUTDOOR
       EDUCATION PROGRAM.
AU   - FLETCHER, SARAH ANN
PD   - DEC 73
NO   - 97P.; DOCTOR OF RECREATION DISSERTATION, INDIANA UNIVERSITY. PAGE
       45 MAY NOT REPRODUCE WELL
IS   - RIE77FEB
PR   - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE.
AV   - INTER-LIBRARY LOAN, INDIANA UNIVERSITY, BLOOMINGTON, INDIANA 47401
DT   - T
IT   - *AFFECTIVE BEHAVIOR; BEHAVIORAL SCIENCE RESEARCH; *CAMPING
IT   - *COMPARATIVE ANALYSIS; DOCTORAL THESES
IT   - *ECONOMICALLY DISADVANTAGED; *ELEMENTARY EDUCATION; GRADE 6
IT   - GROUP RELATIONS; INTERPERSONAL COMPETENCE; LITERATURE REVIEWS
IT   - LOCUS OF CONTROL; *OUTDOOR EDUCATION; POST TESTING; PRETESTING
IT   - RESIDENTIAL PROGRAMS; RESPONSIBILITY; SELF CONCEPT
IT   - SELF EVALUATION; SOCIOECONOMIC STATUS; TRANSFER OF TRAINING
ST   - ALL ABOUT MYSELF SCALE; EXPERIENTIAL LEARNING
ST   - NOWICKI STRICKLAND LOCUS OF CONTROL; *TOLEDO OHIO PUBLIC SCHOOLS
AB   - EXAMINING THE DIFFERENCES IN AFFECTIVE OUTCOMES OF ECONOMICALLY
       ADVANTAGED AND DISADVANTAGED 6TH GRADE STUDENTS ATTENDING A 5-DAY
       RESIDENTIAL OUTDOOR EDUCATION PROGRAM IN THE TOLEDO OHIO PUBLIC
       SCHOOLS, PRE- AND POST-TESTS WERE ADMINISTERED TO RANDOMLY
       SELECTED SAMPLES OF 25 ADVANTAGED MALES AND FEMALES AND 25
       DISADVANTAGED MALES AND FEMALES. ADDITIONALLY, A LITERATURE
       REVIEW WAS CONDUCTED RE: COMPENSATORY EDUCATION, SELECTED ASPECTS
       OF ECONOMICALLY DISADVANTAGED CHILDREN, AND OUTDOOR EDUCATION.
       THE INSTRUMENTS USED WERE: THE NOWICKI-STRICKLAND LOCUS OF
       CONTROL (MEASUREMENT OF THE INTERNAL-EXTERNAL DIMENSIONS); THE
       ALL ABOUT MYSELF SCALE (SELF-EVALUATION); AND A PRE- AND
       POST-CAMP QUESTIONNAIRE DEVELOPED BY THE TOLEDO PUBLIC SCHOOLS
       OFFICE OF EVALUATION. FINDINGS INDICATED: ALTHOUGH THE
       DISADVANTAGED STUDENTS HAD A MORE EXTERNAL LOCUS OF CONTROL (LIFE
       IS DICTATED BY FATE), THE 5-DAY PROGRAM CAUSED BOTH GROUPS TO
       BECOME MORE SELF-RELIANT AND SELF-CONFIDENT; ALL STUDENTS HAD
       MODERATELY IMPROVED IN COOPERATION WITH OTHERS; THERE WAS ONLY A
       MODERATE TRANSFER OF POSITIVE VALUES TO THE CLASSROOM; THE
       MAJORITY OF STUDENTS LIKED CAMP, WANTED TO RETURN, WISHED THEY
       COULD HAVE STAYED LONGER, AND FELT THEY HAD MADE NEW FRIENDS; AND
       THE NOWICKI-STRICKLAND LOCUS OF CONTROL APPEARED MORE VALUABLE
       THAN EITHER OF THE OTHER TWO INSTRUMENTS. (JC)
```

AN - ED130807
CHAN- RC005472
TI - THE OUTDOORS: AN ENVIRONMENTAL CONDITION TO NURTURE CREATIVE THINKING.
AU - JURIK, RICHARD A.
PD - MAR 72
NO - 99P.; M.ED. THESIS, PENNSYLVANIA STATE UNIVERSITY
IS - RIE77MAR
PR - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE.
AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERITY, UNIVERSITY PARK, PENNSYLVANIA 16802
DT - T
IT - ACTIVITY UNITS; ART ACTIVITIES; COMPARATIVE ANALYSIS
IT - *CREATIVE THINKING; *CREATIVITY TESTS; DISCOVERY PROCESSES
IT - ELEMENTARY EDUCATION; ELEMENTARY SCHOOL SCIENCE
IT - *ENVIRONMENTAL INFLUENCES; *GRADE 6; LEARNING ACTIVITIES
IT - LITERATURE REVIEWS; MASTERS THESES; MUSIC
IT - NATURE NURTURE CONTROVERSY; *OUTDOOR EDUCATION; SOCIAL STUDIES
IT - TEST RELIABILITY; TEST VALIDITY; THOUGHT PROCESSES
ST - TORRANCE TESTS OF CREATIVE THINKING
AB - THE STUDY DETERMINED WHETHER USING OUTDOOR EXPERIENCES AS A TEACHING MEDIUM INCREASED THE LEVEL OF CREATIVE THOUGHT FOR SIXTH GRADE CHILDREN. FOUR FACTORS OF CREATIVITY WERE MEASURED: FIGURAL FLUENCY, FIGURAL FLEXIBILITY, FIGURAL ORIGINALITY, AND FIGURAL ELABORATION. TWO GROUPS OF SIXTH GRADE PUPILS, ONE EXPERIMENTAL (WITH 30 CHILDREN)AND THE OTHER CONTROL (WITH 25 CHILDREN), WERE USED. BOTH GROUPS WERE TESTED AT THE BEGINNING OF THE EXPERIMENT, USING THE TORRANCE TESTS OF CREATIVE THINKING. THE EXPERIMENTAL GROUP EXPERIENCED 13 OUTDOOR EDUCATION ACTIVITIES INCORPORATED INTO UNITS WITHIN THE CURRICULUM AREAS OF SOCIAL STUDIES, SCIENCE, ART, AND MUSIC; THE CONTROL GROUP HAD NO OUTDOOR EDUCATION ACTIVITIES. AFTER 45 SCHOOL DAYS BOTH GROUPS WERE GIVEN THE TORRANCE TESTS OF CREATIVE THINKING. THE TESTS MEASURED NONVERBAL CREATIVITY. FINDINGS INCLUDED: OUTDOOR EDUCATION ACTIVITIES DID NOT IMPROVE THE LEVEL OF MEASURED CREATIVE THINKING FACTORS OF THE EXPERIMENTAL GROUP; PUPILS IN THE CONTROL CLASS SIGNIGNIFICANTLY INCREASED IN FIGURAL ORIGINALITY AND ELABORATION; OUTDOOR EDUCATION ACTIVITIES HAD AN EFFECT IN NONVERBAL CREATIVITY OF GIRLS IN THE EXPERIMENTAL CLASS BUT NOT OF BOYS; AND BOYS IN THE CONTROL CLASS HAD NO SIGNIFICANT GAINS IN THE FOUR MEASURED CREATIVITY FACTORS WHILE THE GIRLS HAD A SIGNIFICANT GAIN IN FIGURAL ORIGINALITY AND ELABORATION. (NQ)

```
AN   - ED130813
CHAN- RCC09509
TI   - MINGO NATIONAL WILDLIFE REFUGE ENVIRONMENTAL EDUCATION PROGRAM:
       TEACHER'S HANDBOOK.
OS   - MINGO NATIONAL WILDLIFE REFUGE, PUXICO, MO.
NO   - 75P.; NOT AVAILABLE IN HARD COPY DUE TO EXTENSIVE USE OF COLORED
       PAPER IN ORIGINAL DOCUMENT
IS   - RIE77MAR
PR   - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
DT   - G
IT   - ACTIVITY LEARNING; ART; BIOLOGICAL SCIENCES
IT   - CONSERVATION (ENVIRONMENT); CURRICULUM DEVELOPMENT; ECOLOGY
IT   - ELEMENTARY SECONDARY EDUCATION; *ENVIRONMENTAL EDUCATION
IT   - *INTERDISCIPLINARY APPROACH; LAND USE; LANGUAGE ARTS
IT   - *LESSON PLANS; MAP SKILLS; MATHEMATICS; *NATURE CENTERS
IT   - *OUTDOOR EDUCATION; RURAL ENVIRONMENT; SOCIAL STUDIES
IT   - TEACHING GUIDES; TREES
ST   - *MINGO NATIONAL WILDLIFE REFUGE; MISSOURI (PUXICO)
AB   - A WIDE DIVERSITY OF INTERESTING PLANT AND ANIMAL LIFE CAN BE
       OBSERVED AND STUDIED AT MINGO NATIONAL WILDLIFE REFUGE, THE LAST
       SIZEABLE EXAMPLE OF THE SWAMPLAND WHICH ONCE COVERED MILLIONS OF
       ACRES IN THE AREA. MANY OF THE SPECIES HERE, SUCH AS THE SWAMP
       RABBIT, ARE RARE ELSEWHERE IN THE STATE. THE REFUGE'S
       ARCHAEOLOGICAL AND HISTORICAL RESOURCES ARE EQUALLY DIVERSE.
       MINGO'S ORIGINAL PURPOSE WAS TO PROVIDE A RESTING AND WINTERING
       AREA FOR WATERFOWL. TODAY EDUCATIONAL EXPERIENCES ARE ALSO
       PROVIDED ON THE REFUGE. SCHOOL GROUPS ARE OFFERED TWO TYPES OF
       ACTIVITIES--SELF-GUIDED TOURS AND PLANNED FIELD ACTIVITIES. FOR
       THE TOURS, REFUGE PERSONNEL PROVIDE A SHORT ORIENTATION TALK TO
       THE CLASS AND GO OVER THE ROUTE TO BE TAKEN WITH THE TEACHER. FOR
       THE PLANNED FIELD ACTIVITIES, LESSON PLANS ARE PROVIDED. REFUGE
       STAFF WILL SOMETIMES BE ABLE TO ASSIST IN CONDUCTING THESE
       ACTIVITIES. THIS HANDBOOK INCLUDES EXAMPLES OF THE LESSON PLANS.
       TOPICS COVERED ARE: OBSERVATION AND PERCEPTION, HABITAT
       INVESTIGATION (ENERGY CYCLE), BASIC MEASURING, RURAL LIFE AND THE
       DEPRESSION, COMPASS USE, CONTOUR MAPPING, CREATIVE WRITING AND
       NATURE, ART AND NATURE, CEMETERY STUDY, LAND USE STUDY (PIONEER
       HOMESTEAD), AQUATIC BIOLOGY, TRANSECT STUDY, SOILS AND EROSION,
       OBSERVING AND CLASSIFYING TREES, AND CREATIVE COMMUNICATION USING
       NATURE AS A STIMULUS. (NQ)
```

AN - ED130817
CHAN- RC005534
TI - THE EFFECTS OF DIFFERENT LEADERSHIP STYLES ON SELECTED BEHAVIORAL AND INTERPERSONAL VARIABLES OF EMOTIONALLY DISTURBED ADOLESCENTS IN A CAMPING PROGRAM.
AU - MCPETERS, JANINE E.
PD - MAR 76
NO - 130P.; MS THESIS, PENNSYLVANIA STATE UNIVERSITY
IS - RIE77MAR
PR - DOCUMENT NOT AVAILABLE FROM EDRS.
AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802
DT - T
IT - *ADOLESCENTS; BEHAVIORAL SCIENCE RESEARCH; *BEHAVIOR PROBLEMS
IT - *CAMPING; COMPARATIVE ANALYSIS; CORRELATION
IT - *EMOTIONALLY DISTURBED; GROUP BEHAVIOR; HYPOTHESIS TESTING
IT - *LEADERSHIP STYLES; MASTERS THESES; *OUTDOOR EDUCATION
ST - KARITAS COMMUNITY; *MISSISSIPPI (CRYSTAL SPRINGS)
AB - TESTING THE HYPOTHESIS THAT GROUP-CENTERED LEADERSHIP LEADS TO LESS PROBLEM BEHAVIOR AMONG EMOTIONALLY DISTURBED ADOLESCENTS, 20 MALE AND FEMALE ADOLESCENTS AGED 14-18 (FROM KARITAS COMMUNITY IN CRYSTAL SPRINGS, MISSISSIPPI) WERE DIVIDED INTO LEADER-CENTERED AND GROUP-CENTERED GROUPS AND EXPOSED TO 3 WEEKEND CAMPING EXPERIENCES. ASSESSMENTS WERE MADE VIA BOVARD SCALE OF INTERPERSONAL AFFECT (LEVEL OF INTERPERSONAL LIKING FOR OTHER GROUP MEMBERS); WAGMAN GROUP AS A WHOLE SCALE (INDIVIDUAL'S DEGREE OF LIKE OR DISLIKE FOR THE GROUP AS A WHOLE); AND DEVEREUX ADOLESCENT BEHAVIOR RATING SCALE (AMOUNT AND TYPE OF PROBLEM BEHAVIOR DISPLAYED BY PARTICIPANTS). STATISTICAL ANALYSIS INVOLVED THE: KRUSKAL-WALLIS ONE WAY ANALYSIS OF VARIANCE; MANN-WHITNEY U TEST; AND SPEARMANN RANK ORDER CORRELATION COEFFICIENT. RESULTS INDICATED: PARTICIPATION IN A CAMPING PROGRAM WITH EITHER GROUP- OR LEADER-CENTERED LEADERSHIP DID NOT IMPROVE EMOTIONALLY DISTURBED ADOLESCENTS' LEVEL OF INTERPERSONAL AFFECT FOR OTHER GROUP MEMBERS; GROUP-CENTERED LEADERSHIP LED TO GREATER INCREASE IN LIKING FOR THE GROUP AS A WHOLE THAN DID LEADER-CENTERED LEADERSHIP; THE HYPOTHESIS WAS NOT UNCONDITIONALLY SUPPORTED, ALTHOUGH THE ONLY POSITIVE BEHAVIOR CHANGES THAT OCCURRED AND THE ONE POSITIVE BEHAVIOR CHANGE THAT CONTINUED PAST THE FIRST CAMPING TRIP OCCURRED IN THE GROUP-CENTERED LEADERSHIP GROUP. (JC)

AN - ED130820
CHAN- SE019454
TI - OUT TO LEARN. GUIDELINES AND STANDARDS MANUAL FOR OUTDOOR ENVIRONMENTAL EDUCATION.
OS - SASKATCHEWAN DEPT. OF EDUCATION, REGINA.
PD - OCT 74
NO - 60P.
IS - RIE77MAR
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
DT - G
IT - CAMPING; *ELEMENTARY SECONDARY EDUCATION
IT - *ENVIRONMENTAL EDUCATION; *GUIDELINES; *OUTDOOR EDUCATION
IT - PROGRAM DEVELOPMENT; RESOURCE MATERIALS; *TEACHING GUIDES
ST - *SASKATCHEWAN
AB - THIS STANDARDS AND GUIDELINES MANUAL, DEVELOPED BY THE SASKATCHEWAN DEPARTMENT OF EDUCATION FOR USE IN THE SASKATCHEWAN SCHOOLS, IS DESIGNED TO HELP TEACHERS AND SCHOOL DISTRICTS DEVELOP A SAFE AND WELL-ORGANIZED OUTDOOR ENVIRONMENTAL EDUCATION PROGRAM. THE TOPICS COVERED INCLUDE: OUTDOOR ENVIRONMENTAL EDUCATION IMPLICATIONS FOR STUDENTS, TEACHER, SCHOOL BOARD AND COMMUNITY; ENVIRONMENTAL PROTECTION; GUIDELINES FOR PROGRAM PLANNING; HEALTH AND SAFETY; AND LEGAL IMPLICATIONS. SEVEN APPENDICES PROVIDE INFORMATION ON THE FOLLOWING: STUDENT-TEACHER RESOURCE MATERIAL; SASKATCHEWAN REGULATIONS; CHECKLISTS; SAMPLE FORMS AND FORMATS; MENUS AND FOOD SUPPLY LISTS; FIRST AID AND ACCIDENT PROCEDURES; AND GENERAL INFORMATION. A BIBLIOGRAPHY IS INCLUDED. (BT)

```
AN   - ED131533
CHAN- EA008849
TI   - MANAGEMENT AND COORDINATION OF A RESIDENTIAL OUTDOOR EDUCATION
       PROGRAM. (A NEW MODEL FOR THE ROLE OF ELEMENTARY PRINCIPALS.)
AU   - ZAVARELLA, JOSEPH
PD   - 15 FEB 76
NO   - 61P.; MAXI II PRACTICUM REPORT SUBMITTED IN PARTIAL FULFILLMENT
       OF REQUIREMENTS FOR DOCTOR OF EDUCATION DEGREE, NOVA UNIVERSITY
IS   - RIE77APR
PR   - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
DT   - K
IT   - *ADMINISTRATIVE ORGANIZATION; *ADMINISTRATOR ROLE
IT   - ARTICULATION (PROGRAM); CURRICULUM; EDUCATIONAL FINANCE
IT   - ELEMENTARY EDUCATION; *MODELS; *OUTDOOR EDUCATION; *PRINCIPALS
IT   - PROGRAM DESCRIPTIONS; QUESTIONNAIRES; SCHOOL SYSTEMS
AB   - THE RESIDENTIAL OUTDOOR EDUCATION PROJECT DESCRIBED IN THIS
       REPORT SERVES AS THE VEHICLE FOR ADVANCEMENT OF A NEW CONCEPT IN
       THE ADMINISTRATIVE ORGANIZATION OF A SCHOOL DISTRICT. IT IS
       PROPOSED THAT THE ELEMENTARY ADMINISTRATOR'S ROLE BE EXPANDED TO
       A DISTRICTWIDE ORIENTATION IN THE AREA OF CURRICULUM MANAGEMENT
       AND COORDINATION. THAT IS, EACH PRINCIPAL ASSUMES A SPECIFIC
       CURRICULAR RESPONSIBILITY AND COORDINATES EFFORTS ON A
       DISTRICTWIDE BASIS. (AUTHOR)
```

AN - ED131968
CHAN - RC009527
TI - COMPARATIVE STUDY OF ATTITUDES TOWARD THE MEANING OF THE TERM "OUTDOOR EDUCATION" AS VIEWED BY SELECTED MEMBERS OF THE AMERICAN ASSOCIATION OF HEALTH, PHYSICAL EDUCATION AND RECREATION'S COUNCIL ON OUTDOOR EDUCATION AND CAMPING IN 1968 AND 1975.
AU - BACKIEL, MARCIA LEE
PD - JUN 76
NO - 53P.; FOR RELATED DOCUMENT, SEE ED 050 877.
IS - RIE77APR
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
DT - T
IT - *ATTITUDES; *CHANGE AGENTS; CHANGING ATTITUDES
IT - *COMPARATIVE ANALYSIS; *DEFINITIONS; FACULTY; *FOLLOWUP STUDIES
IT - GRADUATE STUDENTS; LITERATURE REVIEWS; ORGANIZATIONS (GROUPS)
IT - *OUTDOOR EDUCATION; PROFESSIONAL ASSOCIATIONS; QUESTIONNAIRES
IT - VOCABULARY
AB - IN 1968, 107 MEMBERS OF THE AAHPER COUNCIL ON OUTDOOR EDUCATION AND CAMPING WERE SURVEYED TO DETERMINE THEIR ATTITUDES TOWARD THE MEANING OF THE TERM "OUTDOOR EDUCATION". USING THE SAME RATING SHEET, THIS SURVEY DETERMINED THE COUNCIL MEMBERS' PRESENT ATTITUDES. AN INFLUENCE QUESTIONNAIRE WAS ALSO DESIGNED TO INVESTIGATE THE INFLUENCE OF PEOPLE, PLACES AND EVENTS ON THE 1975 ATTITUDES. A RATING SHEET AND AN INFLUENCE QUESTIONNAIRE WERE MAILED TO 100 OF THE 107 MEMBERS; 71 WERE RETURNED. THE RAW DATA OF THE RATING SHEET WAS SUBMITTED TO TWO FACTOR ANALYTIC PROGRAMS. TWENTY-FIVE SIGNIFICANT FACTORS WHICH WERE STATISTICALLY INSIGNIFICANT WERE IDENTIFIED. SINCE THE 1968 POPULATION HAD ONLY THREE FACTORS, IT WAS CONCLUDED THAT THERE SEEMED TO HAVE BEEN AN INFLUENCE EXERTED UPON THE POPULATION CAUSING THE ATTITUDES TO CHANGE SIGNIFICANTLY ENOUGH SO AS TO NEGATE THE VALIDITY OF THE RATING SHEET. KENDALL'S COEFFICIENT OF CONCORDANCE WAS USED ON THE RAW DATA FROM THE INFLUENCE QUESTIONNAIRE. IT WAS FOUND THAT THE RESPONDENTS DID NOT SIGNIFICANTLY AGREE ON INFLUENCES UPON THEIR ATTITUDES. BASED ON SEX, FACULTY STATUS AND COUNCIL MEMBERSHIP, THE RESPONDENTS WERE DIVIDED INTO THREE SETS OF MUTUALLY EXCLUSIVE SUBGROUPS. NONE OF THE SIX COEFFICIENTS WERE STATISTICALLY SIGNIFICANT INDICATING THAT THE INFLUENCES UPON THE ATTITUDES WERE VERY DIVERSIFIED. RESULTS OF BOTH INSTRUMENTS SUPPORTED EACH OTHER. FROM THE DATA, IT WAS NOT POSSIBLE TO DISTINGUISH WHAT THE POPULATION DISCERNED AS THE MEANING OF "OUTDOOR EDUCATION". (AUTHOR/NQ)

AN - ED131562
CHAN- RC009563
TI - CHANGE IN LEADERSHIP BEHAVIOR ATTITUDES EFFECTED BY PARTICIPATION IN BASIC COURSES AT THE NATIONAL OUTDOOR LEADERSHIP SCHOOL.
AU - BAKER, EDWARD DRAPER, JR.
PD - MAY 75
NO - 67P.; M.S. THESIS, PENNSYLVANIA STATE UNIVERSITY
IS - RIE77APR
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802
DT - T
IT - ACADEMIC ACHIEVEMENT; AGE DIFFERENCES; *ATTITUDES; BEHAVIOR
IT - *HYPOTHESIS TESTING; *LEADERSHIP; MASTERS THESES
IT - *OUTDOOR EDUCATION; POST TESTING; PRETESTING
IT - STUDENT CHARACTERISTICS; STUDENT EXPERIENCE
IT - *STUDENT PARTICIPATION
ST - LEADERSHIP OPINION QUESTIONNAIRE
ST - *NATIONAL OUTDOOR LEADERSHIP SCHOOL
AB - HYPOTHESIZING THAT POSITIVE CHANGE IN STUDENTS' ATTITUDES CONCERNING LEADERSHIP BEHAVIOR WOULD RESULT FROM PARTICIPATION IN A BASIC LEVEL FIVE-WEEK COURSE AT THE NATIONAL OUTDOOR LEADERSHIP SCHOOL (NOLS), 80 STUDENT PARTICIPANTS (16 YEARS OR OLDER) WERE PRE- AND POST-TESTED FOR ATTITUDINAL CHANGE. USING THE LEADERSHIP OPINION QUESTIONNAIRE (LOQ), THE SUBJECTS WERE TESTED ON THE FIRST DAY OF THE COURSE AND AGAIN FIVE WEEKS LATER AT ITS CONCLUSION. TO ESTABLISH A BASELINE CRITERION WITH WHICH COMPARISONS COULD BE MADE, THE LEADERSHIP INSTRUMENT WAS ALSO ADMINISTERED TO THE NOLS DIRECTOR, GENERAL MANAGER, AND ASSISTANT GENERAL MANAGER, AND A NOLS STAFF MODEL WAS ESTABLISHED WHICH PROVIDED A LEADERSHIP NORM OF HIGH IN CONSIDERATION AND AVERAGE IN STRUCTURE. SUBJECTS WERE CLASSIFIED BY COURSE, TYPE OF EXPEDITION (WILDERNESS, MOUNTAINEERING, OR BIOLOGY), AGE GROUP, EDUCATION LEVEL, PREVIOUS CAMP EXPERIENCE, AND AGE. DATA WERE ANALYZED ACCORDING TO THESE CHARACTERISTICS BY APPLYING A T-TEST FOR PAIRED SAMPLES, USING PRE- AND POST-COURSE SCORES. RESULTS INDICATED THERE WAS: NO POSITIVE CHANGE IN THE STUDENTS' ATTITUDES TOWARD LEADERSHIP BEHAVIOR; A DECREASE IN CONSIDERATION SCORES AMONG THOSE WHO HAD GRADUATED FROM COLLEGE, HAD HAD PREVIOUS CAMP EXPERIENCES, AND HAD PARTICIPATED IN THE WILDERNESS EXPEDITION. IT WAS SUGGESTED THAT THE RESULTS MIGHT HAVE BEEN DIFFERENT HAD THE SUBJECTS BEEN TESTED AT A LATER DATE. (JC)

AN - ED131983
CHAN- RC009564
TI - A COMPARISON OF CHILDREN'S LEARNING UNDER DIFFERENT PROGRAM STRUCTURES IN A RESIDENT OUTDOOR SCHOOL.
AU - CONRAD, MICHELLE
PD - MAY 75
NO - 120P.; M.S. THESIS, PENNSYLVANIA STATE UNIVERSITY
IS - RIE77APR
PP - EDRS PRICE MF-$0.83 HC-$6.01 PLUS POSTAGE.
AV - INTER-LIBRARY LOAN, PENNSYLVANIA STATE UNIVERSITY, UNIVERSITY PARK, PENNSYLVANIA 16802
DT - T
IT - *COMPARATIVE ANALYSIS; CONTROL GROUPS; *DECISION MAKING
IT - *EDUCATIONAL OBJECTIVES; *ELEMENTARY SCHOOL STUDENTS
IT - EXPERIMENTAL GROUPS; GRADE 5; *LEARNING ACTIVITIES
IT - MASTERS THESES; *OUTDOOR EDUCATION; POST TESTING; PRETESTING
IT - RESIDENTIAL SCHOOLS
ST - *STONE VALLEY OUTDOOR SCHOOL,PA.

AB - HYPOTHESIZING THAT STUDENTS WHO WERE GIVEN THE OPPORTUNITY TO CHOOSE THEIR LEARNING ACTIVITIES IN A RESIDENTIAL OUTDOOR EDUCATION SCHOOL (STONE VALLEY, PENNSYLVANIA) WOULD MORE READILY ATTAIN THE BEHAVIORAL OBJECTIVES OF THOSE ACTIVITIES, 68 FIFTH GRADE STUDENTS PARTICIPATING IN A FOUR-DAY RESIDENTIAL OUTDOOR EDUCATION PROGRAM WERE DIVIDED INTO A CONTROL (N=32) AND AN EXPERIMENTAL (N=36) GROUP. PLANNED BY CLASSROOM TEACHERS, THE OUTDOOR SCHOOL DIRECTOR, AND THE INVESTIGATOR, THE SAME OBJECTIVES AND LEARNING ACTIVITIES (WATER ECOLOGY, FOREST PLANTS, A GRAVEYARD TRIP, AND SURVIVAL SIMULATION) WERE SCHEDULED IN SUCH A WAY THAT THE CONTROL GROUP HAD ONLY ONE CHOICE OF ACTIVITY, WHILE THE EXPERIMENTAL GROUP WAS OFFERED FOUR DIFFERENT ACTIVITY CHOICES DURING EACH OF THE TWO, TWO-HOUR DAILY ACTIVITY PERIODS. A WRITTEN, OBJECTIVE TEST CONSISTING OF 10 QUESTIONS BASED UPON THE ACTIVITY OBJECTIVES WAS ADMINISTERED TO THE SUBJECTS IN THEIR CLASSROOMS DURING THE WEEK BEFORE AND AFTER THE OUTDOOR SCHOOL EXPERIENCE. COMPARISONS WERE MADE BETWEEN: THE ENTIRE CONTROL GROUP AND THE ENTIRE EXPERIMENTAL GROUP; THE ENTIRE CONTROL GROUP AND MEMBERS OF THE EXPERIMENTAL GROUP PARTICIPATING IN THE ACTIVITY FOR WHICH OBJECTIVES WERE TESTED; AND PRE- AND POST TEST SCORES WITHIN EACH GROUP. RESULTS INDICATED NO SIGNIFICANT DIFFERENCES BETWEEN THE CONTROL AND EXPERIMENTAL GROUPS, ALTHOUGH BOTH GROUPS DEMONSTRATED SIGNIFICANT LEARNING. (JC)

AN - ED132239
CHAN- CE007517
TI - EDUCATIONAL PRINCIPLES AND TECHNIQUES FOR INTERPRETERS. USDA FOREST SERVICE GENERAL TECHNICAL REPORT PNW-9.
AU - BOULANGER, F. DAVID; SMITH, JOHN P.
OS - FOREST SERVICE (DOA), PORTLAND, OREG. PACIFIC NORTHWEST FOREST AND RANGE EXPERIMENT STATION.
PD - 73
NC - 31P.
IS - RIE77MAY
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
DT - G
IT - CONSERVATION EDUCATION; DISCUSSION (TEACHING TECHNIQUE)
IT - DISCUSSION PROGRAMS; *ENVIRONMENTAL EDUCATION; NATURAL RESOURCES
IT - *OUTDOOR EDUCATION; *PUBLIC SPEAKING; QUESTIONING TECHNIQUES
IT - *SPEECH SKILLS; TEACHING GUIDES; *TEACHING TECHNIQUES
IT - TRAINING TECHNIQUES
AB - THIS GUIDE, DESIGNED FOR USE BY EDUCATORS AND INTERPRETERS, OUTLINES PRINCIPLES AND TECHNIQUES FOR EFFECTIVE TALKS AND DISCUSSIONS. FOUR MAIN HEADINGS ARE INCLUDED. THE FIRST, INTRODUCTION, DESCRIBES THE MAJOR PREMISES OF THE GUIDE, MAINLY (1) TEACHING IS AN ART AS WELL AS A SKILL; (2) TEACHING INVOLVES A RELATIONSHIP BETWEEN TEACHER AND LEARNER THAT GOES FAR BEYOND THE TRANSFER OF KNOWLEDGE; (3) ACTIVE INVOLVEMENT OF THE LEARNER IS CENTRAL TO GOOD TEACHING; AND (4) YOUR AUDIENCE MAY BE FREE TO LEAVE PHYSICALLY OR MENTALLY. SETTING THE DIRECTION, THE SECOND SECTION, FOCUSES ON CHOOSING OBJECTIVES, AUDIENCE CHARACTERISTICS, AND DECIDING WHAT TO PRESENT AND WHY. THE THIRD SECTION, REACHING YOUR AUDIENCE, LOOKS AT THE CHARACTERISTICS OF TALKS AND DISCUSSIONS AND LISTS SPECIFIC POINTS ON PREPARING BOTH. TECHNIQUES USEFUL FOR INTERPRETATION ARE SUMMARIZED IN SECTION FOUR. TOPICS DEALT WITH INCLUDE SELECTING AND ORGANIZING THE PRESENTATION, MOTIVATING AND FOCUSING THE AUDIENCE, GETTING FEEDBACK, QUESTIONING TECHNIQUES, ATTENTION HOLDING TECHNIQUES, AND OTHERS. A CHECKLIST AND BIBLIOGRAPHY ARE ALSO INCLUDED. THE GUIDE IS WRITTEN IN AN INFORMAL STYLE, WITH IMPORTANT WORDS AND PHRASES IN BOLD FACE TYPE, AND INCLUDES MANY ILLUSTRATIONS. (TM)

```
AN  - ED133065
CHAN- PS009038
TI  - SUMMER CAMP.
AU  - BURNS, MAXINE; AND OTHERS
OS  - GEORGE WASHINGTON UNIV., WASHINGTON, D.C. INST. FOR EDUCATIONAL
      LEADERSHIP.; NATIONAL PUBLIC RADIO, WASHINGTON, D.C.
PD  - JUL 76
NO  - 26P.: TRANSCRIPT OF "OPTIONS IN EDUCATION" RADIO PROGRAM NO. 39
      SCHEDULED FOR BROADCAST FOR THE WEEK OF JULY 26, 1976
IS  - RIE77MAY
PR  - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
SPO - CARNEGIE CORP. OF NEW YORK, N.Y.
SPO - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
SPO - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C.
DT  - S
IT  - CAMPING; *DAY CAMP PROGRAMS; *EDUCATIONAL RADIO
IT  - *FEDERAL LEGISLATION; GOVERNMENT ROLE; OUTDOOR EDUCATION
IT  - RECREATIONAL ACTIVITIES; *RESIDENT CAMP PROGRAMS; *SAFETY
IT  - *STATE STANDARDS; SUMMER PROGRAMS; VACATION PROGRAMS
IT  - YOUTH PROGRAMS
ST  - AMERICAN CAMPING ASSOCIATION; CHILDREN AND YOUTH CAMP SAFETY ACT
ST  - *NATIONAL PUBLIC RADIO
AB  - GOVERNMENT REGULATION OF CHILDREN'S SUMMER CAMPS, PARTICULARLY
      INVOLVING HEALTH AND SAFETY STANDARDS, IS DISCUSSED IN A SERIES
      OF BRIEF INTERVIEWS WITH CAMP DIRECTORS AND REPRESENTATIVES OF
      CAMP ASSOCIATIONS. TRANSCRIBED FROM THE NATIONAL PUBLIC RADIO
      WEEKLY BROADCAST, "OPTIONS IN EDUCATION," THE PROGRAM INCLUDES A
      LENGTHY MONTAGE OF CHILDREN'S VOICES, GIVING IMPRESSIONS OF CAMP
      EXPERIENCES. INTERVIEWS FOCUS MAINLY ON SUMMER CAMP SAFETY
      LEGISLATION. AN OFFICIAL OF THE AMERICAN CAMPING ASSOCIATION
      (ACA) DISCUSSES HOW PARENTS SHOULD CHOOSE A CHILD'S CAMP,
      EMPHASIZING THE NEED FOR SAFETY STANDARDS. INSTANCES OF FRAUD AND
      MISREPRESENTATION IN CAMP ADVERTISING ARE DESCRIBED BY A DAY CAMP
      DIRECTOR. COMPREHENSIVE LAWS DEALING WITH YOUTH CAMP SAFETY EXIST
      IN ONLY SEVEN STATES, AND NEARLY ONE-HALF OF THE STATES HAVE NO
      REGULATIONS CONCERNING PERSONAL HEALTH AND MEDICAL SERVICES.
      ALTHOUGH THE ACA PROVIDES STRICT STANDARDS, ONLY HALF THE CAMPS
      IN THE UNITED STATES ARE ACA-ACCREDITED. LEGISLATION TO CREATE A
      NATIONAL CAMP SAFETY STANDARD WAS INTRODUCED INTO CONGRESS TEN
      YEARS AGO, BUT HAS NOT BEEN ENACTED. A COALITION FORMED TO
      PROMOTE CAMP SAFETY LEGISLATION, CONSISTING LARGELY OF AGENCY
      CAMPS SUCH AS BOY AND GIRL SCOUTS AND THE YMCA, IS DESCRIBED.
      ARGUMENTS CRITICAL OF FEDERAL REGULATION, PRESENTED BY CAMP
      DIRECTORS, CITE OVER-REGULATION AND IMPOSITION OF INAPPROPRIATE
      OR UNNECESSARY STANDARDS. A SUMMER CAMP FOR RETARDED CHILDREN AND
      A COMBINATION REMEDIAL SCHOOL AND DAY CAMP ARE ALSO DESCRIBED
      BRIEFLY. (BF)
```

AN - ED133140
CHAN- SE020874
TI - OUTDOOR EDUCATION - A GUIDE TO SITE PLANNING AND IMPLEMENTATION OF PROGRAMS.
OS - TEXAS EDUCATION AGENCY, AUSTIN. DIV. OF CURRICULUM DEVELOPMENT.
PD - 76
NC - 72P.
IS - RIE77MAY
PR - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
AV - TEXAS EDUCATION AGENCY, DIVISION OF CURRICULUM DEVELOPMENT, 201 EAST ELEVENTH STREET, AUSTIN, TEXAS 78701 ($2.00)
DT - G
IT - *ELEMENTARY SECONDARY EDUCATION; *ENVIRONMENTAL EDUCATION
IT - *FACILITIES; INSTRUCTION; *OBJECTIVES; *OUTDOOR EDUCATION
IT - *PROGRAM DEVELOPMENT
AB - THIS BOOKLET PRESENTS GUIDELINES FOR INITIATING OUTDOOR INSTRUCTIONAL PROGRAMS. INITIALLY, THE GUIDE LISTS THE OBJECTIVES OF OUTDOOR EDUCATION: SURVIVAL, RECREATION, DEVELOPMENT OF PERSONAL HEALTH AND WELL-BEING, CAREER OPPORTUNITIES, AND SOCIAL ADJUSTMENT. A DISCUSSION FOLLOWS ON THE THREE PHASES OF SITE PLANNING. THE FIRST PHASE IS SITE ANALYSIS WHICH INVOLVES RESEARCH IN TOPOGRAPHY, ECOLOGY, AND LAND USES AND CONTROL. THE SECOND PHASE ENCOMPASSES PROGRAM DEVELOPMENT WHICH INCLUDES THE STATEMENT OF PURPOSE AND OBJECTIVES, THE ROLE OF THE SCHOOL SITE, AND ANALYSIS OF THESE ROLES FOR PROGRAM DEVELOPMENT. THE FINAL PHASE CONCERNS SITE DESIGN OR A GRAPHIC REPRESENTATION COMBINING SITE ANALYSIS AND PROGRAM DEVELOPMENT. THE BOOKLET ALSO CONTAINS EXAMPLES OF SCHOOL SITES, A CHECKLIST FOR DEVELOPING A PROGRAM, GUIDELINES FOR PLANNING ACTIVITIES IN ALL CURRICULAR AREAS, SUGGESTED LEARNING EXPERIENCES IN EACH DISCIPLINE, AND RESOURCE AND REFERENCE LISTS. (MR)

```
AN   - ED133141
CHAN- SE021155
TI   - FOREST INTERPRETER'S PRIMER ON WILDLIFE. A REFERENCE FOR FOREST
       SERVICE, USDA FOREST INTERPRETERS.
AU   - SMITH, GAIL P.
OS   - FOREST SERVICE (DOA), WASHINGTON, D.C.
PD   - JUN 75
NO   - 61P.; PHOTOGRAPHS MAY NOT REPRODUCE WELL
IS   - RIE77MAY
PR   - EDRS PRICE MF-$0.83 HC-$3.50 PLUS POSTAGE.
DT   - G
IT   - BIOLOGY; *CONSERVATION EDUCATION; *HIGHER EDUCATION
IT   - *INSTRUCTIONAL MATERIALS; *NATURAL RESOURCES; OUTDOOR EDUCATION
IT   - *SECONDARY EDUCATION; *WILDLIFE MANAGEMENT; *ZOOLOGY
AB   - THIS GUIDE WAS PREPARED FOR THE USE OF FOREST SERVICE FIELD-BASED
       INTERPRETERS OF THE MANAGEMENT, PROTECTION, AND USE OF FOREST AND
       RANGE RESOURCES AND THE ASSOCIATED HUMAN, CULTURAL, AND NATURAL
       HISTORY FOUND ON THESE LANDS. IT CONSISTS OF BASIC FOREST AND
       RANGE WILDLIFE INFORMATION. SECTIONS IN THE PUBLICATION INCLUDE:
       (1) WHAT IS WILDLIFE; (2) BASIC NEEDS OF WILDLIFE; (3) PROPERTIES
       OF FISH AND WILDLIFE POPULATIONS; (4) USES OF WILDLIFE; (5)
       WILDLIFE MANAGEMENT - A BRIEF REVIEW; AND (6) WHAT OF THE FUTURE?
       (RH)
```

AN - ED133232

CHAN- SE021908

TI - WASHINGTON ENVIRONMENTAL YARD: AN ENVIRONMENTAL EDUCATION TOOL DESCRIPTION AND ASSESSMENT. FINAL REPORT.

AU - YOUNG, DONALD G., COMP.; AND OTHERS

OS - BERKELEY UNIFIED SCHOOL DISTRICT, CALIF.

PD - DEC 76

NO - 332P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT

IS - RIE77MAY

PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.

SPO - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. OFFICE OF ENVIRONMENTAL EDUCATION.

CG - G00-75-00911

DT - K

IT - CURRICULUM DEVELOPMENT; *ELEMENTARY EDUCATION; *ENVIRONMENT

IT - *ENVIRONMENTAL EDUCATION; *FACILITIES; *INSTRUCTION

IT - INTERDISCIPLINARY APPROACH; OUTDOOR EDUCATION

AB - THE PROJECT DESCRIBED IN THIS PUBLICATION TOOK PLACE DURING THE 1974-75 SCHOOL YEAR IN AN ELEMENTARY SCHOOL (K-4) IN BERKELEY, CALIFORNIA. THE PURPOSE OF THE PROJECT WAS TO INTEGRATE THE SCHOOL YARD INTO THE DAILY CLASSROOM ACTIVITIES OF THE CHILDREN AND THE STAFF. INCLUDED IN THE PUBLICATION ARE: (1) A DESCRIPTION OF THE ENVIRONMENTAL YARD, (2) THE TEACHING AND LEARNING ACTIVITIES USED, (3) THE RESEARCH COMPONENT OF THE PROJECT, (4) METHODS USED TO DEVELOP THE PROJECT, AND (5) APPENDICES OF A NUMBER OF ITEMS INCLUDING QUESTIONNAIRES, ACTIVITY CARDS, MAPS, AND BRAINSTORMING SESSIONS. THE PROJECT STAFF FELT THE REAL SUCCESS OF THE PROJECT WAS IN CLARIFYING HOW TO DO WHAT THEY WERE TRYING TO DO, METHODS THAT NEED TO BE EMPLOYED, AND HOW TO PLAN TO ORCHESTRATE THE PROGRAM. RECOMMENDATIONS FOR FUTURE PROGRAM DEVELOPMENT ARE PRESENTED. (RH)

```
AN   - ED134362
CHAN - RC009631
TI   - STRATEGIES TO AFFECT STUDENT SENSORY AWARENESS OF THE ENVIRONMENT
       IN A RURAL SCHOOLS SETTING: GRADE FOUR THROUGH GRADE SIX.
AU   - PETERS, RICHARD D.
PD   - AUG 76
NO   - 15P.; FOR RELATED DOCUMENTS, SEE ED 125 838 AND RC 009 632
IS   - RIE77JUN
PR   - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
DT   - G
IT   - *ACTIVITIES; CONCEPT FORMATION; CURRICULUM GUIDES
IT   - EDUCATIONAL OBJECTIVES; *ELEMENTARY EDUCATION
IT   - ENVIRONMENTAL EDUCATION; GRADE 4; GRADE 5; GRADE 6; *LESSON PLANS
IT   - *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; RURAL AREAS
IT   - *RURAL SCHOOLS; *SENSORY EXPERIENCE
ST   - NEW HAMPSHIRE; *PROXIMITY
AB   - DESCRIBING THE UNION 58 EXPERIMENTAL SCHOOLS PROGRAM (ESP) IN
       NORTHERN, RURAL NEW HAMPSHIRE, THIS CURRICULUM GUIDE PRESENTS THE
       CONCEPT OF "PROXIMITY CONGRUENCY" AS A MEANS FOR DEVELOPING
       ELEMENTARY LEVEL (GRADES FOUR THROUGH SIX) STUDENT SENSORY
       AWARENESS OF THE ENVIRONMENT IN OUTDOOR AND/OR ENVIRONMENTAL
       EDUCATION PROCEDURES. PROXIMITY CONGRUENCY IS DEFINED AS A STATE
       OF HARMONY EXISTANT BETWEEN TWO OR MORE ANIMATE AND/OR INANIMATE
       OBJECTS WHEREIN THERE IS A NATURAL STATE OF INTERACTION. SOME OF
       THE OUTDOOR EDUCATION STRATEGIES FOR ACHIEVING PROXIMITY
       CONGRUENCY MENTIONED ARE FIELD TRIPS, NATURE WALKS, AND SITE
       STUDIES. ADDITIONALLY, THIS GUIDE PRESENTS EIGHT SAMPLE
       ENVIRONMENTAL EDUCATION SENSORY LESSONS IN A FORMAT THAT INCLUDES
       THE FOLLOWING: EDUCATIONAL FOCUS (EARTH'S RESOURCES, PLANTS AND
       ANIMALS, RECREATION, METRIC MEASURE, AND/OR MEASUREMENT); THE
       CONCEPT TO BE EXPLORED; GRADE RANGE; PURPOSE; AND NUMEROUS
       EXEMPLARY STUDENT ACTIVITIES. (JC)
```

AN - ED134363
CHAN- RC009632
TI - STRATEGIES TO AFFECT STUDENT SENSORY AWARENESS OF THE ENVIRONMENT IN A RURAL SCHOOLS SETTING: GRADE SEVEN THROUGH GRADE TWELVE.
AU - PETERS, RICHARD O.
PD - SEP 76
NO - 12P.; FOR RELATED DOCUMENTS, SEE ED 125 838 AND RC 009 631
IS - RIE77JUN
PR - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
DT - G
IT - *ACTIVITIES; CONCEPT FORMATION; CURRICULUM GUIDES
IT - EDUCATIONAL OBJECTIVES; ENVIRONMENTAL EDUCATION; *LESSON PLANS
IT - *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS; RURAL AREAS
IT - *RURAL SCHOOLS; *SECONDARY EDUCATION; *SENSORY EXPERIENCE
ST - NEW HAMPSHIRE; *PROXIMITY
AB - DESCRIBING THE UNION 58 EXPERIMENTAL SCHOOLS PROGRAM (ESP) IN NORTHERN, RURAL NEW HAMPSHIRE, THIS CURRICULUM GUIDE PRESENTS THE CONCEPT OF "PROXIMITY CONGRUENCY" AS A MEANS FOR DEVELOPING SECONDARY LEVEL STUDENT SENSORY AWARENESS OF THE ENVIRONMENT IN OUTDOOR AND/OR ENVIRONMENTAL EDUCATION PROCEDURES. PROXIMITY CONGRUENCY IS DEFINED AS A STATE OF HARMONY EXISTANT BETWEEN TWO OR MORE ANIMATE AND/OR INANIMATE OBJECTS WHEREIN THERE IS A NATURAL STATE OF INTERACTION. FIELD TRIPS, NATURE WALKS, AND SITE STUDIES ARE AMONG THE OUTDOOR EDUCATION STRATEGIES MENTIONED IN TERMS OF ACHIEVING PROXIMITY CONGRUENCY. ADDITIONALLY, THIS GUIDE PRESENTS FOUR SAMPLE ENVIRONMENTAL EDUCATION SENSORY LESSONS IN A FORMAT THAT INCLUDES THE FOLLOWING: EDUCATIONAL FOCUS (LAND USE STUDY, TREES, AND SEASHORE ENVIRONMENT); THE CONCEPT TO BE EXPLORED; GRADE RANGE; PURPOSE; AND NUMEROUS EXEMPLARY STUDENT ACTIVITIES. WHEN NECESSARY, THE LESSON ALSO INCLUDES SPECIFIC EQUIPMENT AND PROCEDURAL NEEDS. (JC)

```
AN   - ED134364
CHAN - RC005657
TI   - INCORPORATING ORIENTEERING IN SCHOOL PROGRAMS.
AU   - BRADFORD, DOUGLAS
OS   - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON
       RURAL EDUCATION AND SMALL SCHOOLS.
PD   - MAR 77
NC   - 36P.
IS   - RIE77JUN
PR   - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
AV   - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT
       BOULEVARD, AUSTIN, TEXAS 78702 (STOCK NO. EC-046, $3.00)
SPO  - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
CG   - 400-75-0025
DT   - G
IT   - *ACTIVITY LEARNING; COURSE ORGANIZATION; DEFINITIONS; DISTANCE
IT   - EDUCATIONAL EQUIPMENT; ELEMENTARY EDUCATION
IT   - *INTERDISCIPLINARY APPROACH; *MAP SKILLS; *OUTDOOR EDUCATION
IT   - *PHYSICAL ACTIVITIES; PROGRAM COSTS; PROGRAM GUIDES; *RUNNING
IT   - SKILL DEVELOPMENT; TIME
ST   - *ORIENTEERING
AB   - ORIENTEERING HAS BEEN DESCRIBED AS BEING "EITHER A SERIOUS SPORT,
       OR A RELAXING RECREATION". ORIENTEERING CAN BE A FAMILY AFFAIR OR
       AN INDIVIDUAL FIGHT AGAINST THE CLOCK. IN ITS SIMPLEST FORM,
       ORIENTEERING CAN BE DESCRIBED AS A CROSS-COUNTRY RUN, JOG, OR
       WALK ON A PREDETERMINED COURSE, USING A MAP AND A COMPASS TO FIND
       SEVERAL CONTROL POINTS ON THE WAY. ORIENTEERING REALIZES AN IDEAL
       BALANCE BETWEEN THE INTELLECTUAL AND THE PHYSICAL. IT REQUIRES AN
       INTEGRATION OF PHYSICAL SKILLS AND CONDITIONING WITH INTELLECTUAL
       EXPERTISE. SINCE THERE ARE MANY WAYS TO ANALYZE AND NAVIGATE LAND
       SURFACES, ORIENTEERING INCORPORATES A HIGHLY INDIVIDUALIZED
       COMBINATION OF ONE'S OWN ABILITIES AND JUDGMENT. THIS PAPER (1)
       DEFINES "ORIENTEERING" FOR THE EDUCATOR; (2) ACQUAINTS THE
       EDUCATOR, WHETHER SCHOOL ADMINISTRATOR OR TEACHER, WITH BASIC
       ORIENTEERING SKILLS; (3) PRESENTS A RATIONALE FOR THE INCLUSION
       OF ORIENTEERING IN THOSE AREAS OF THE SCHOOL CURRICULUM WHEREIN
       IT CAN BE UTILIZED ADVANTAGEOUSLY; AND (4) ACQUAINTS THE EDUCATOR
       WITH THE FACTORS THAT MUST BE CONSIDERED IN ESTABLISHING AN
       ORIENTEERING PROGRAM. (AUTHOR/NQ)
```

AN - ED134408
CHAN- SE021382
TI - NATURE TRAILS FOR THE VISUALLY IMPAIRED.
AU - SCHWARTZ, JONATHAN R.
OS - SYRACUSE UNIV., N.Y. ENVIRONMENTAL STUDIES INST.
PD - 76
NO - 47P.; CONTAINS OCCASIONAL LIGHT AND BROKEN TYPE
IS - RIE77JUN
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
DT - K
IT - *EDUCATIONAL FACILITIES; *EDUCATIONAL RESEARCH; *HANDICAPPED
IT - *NATURE CENTERS; *OUTDOOR EDUCATION; *VISUALLY HANDICAPPED
ST - NATURE TRAILS

AB - MANY INTERPRETIVE NATURE TRAILS HAVE BEEN ESTABLISHED FOR THE VISUALLY IMPAIRED IN RECENT YEARS. THE OBJECTIVES OF THE INVESTIGATION WERE TO (A) IDENTIFY WHAT HAS BEEN DONE IN THE PAST IN THE WAY OF NATURE TRAIL DESIGN FOR THE VISUALLY IMPAIRED, (B) COMPARE THIS WITH WHAT PROFESSIONAL WORKERS FOR THE VISUALLY IMPAIRED CONSIDER IMPORTANT IN THE DESIGN OF THE FACILITIES, AND (C) TO PROVIDE GUIDELINES FOR THE DESIGN OF FUTURE TRAILS FOR THE VISUALLY IMPAIRED. IT WAS DETERMINED THAT THE "TYPICAL" NATURE CENTER WAS OVER FIVE MILES FROM THE NEAREST URBAN CENTER, NOT ON PUBLIC TRANSPORTATION LINES, AND PROVIDED A SINGLE SPECIAL TRAIL FOR THE VISUALLY IMPAIRED WITH GUIDE ROPES AND BRAILLE SIGNS. AS A RESULT OF THE LITERATURE SEARCH, THE INFORMAL INTERVIEWS WITH VISUALLY IMPAIRED STUDENTS, AND THE SURVEY OF ORIENTATION AND MOBILITY INSTRUCTORS, THE FOLLOWING SUGGESTIONS ARE MADE FOR THE DESIGN OF FUTURE NATURE TRAILS: (1) NO SPECIAL TRAILS SHOULD BE ESTABLISHED, AS THESE TEND TO ISOLATE THE VISUALLY IMPAIRED FROM THE REST OF THE VISITORS; (2) ALL TRAILS SHOULD BE CLEARLY DIFFERENTIATED FROM THE SURROUNDING ENVIRONMENT SO THAT THE VISUALLY IMPARIED CAN USE RESIDUAL SIGHT OR PROPER MOBILITY TECHNIQUES FOR TRAVEL; ROPES ARE UNNECESSARY AND OFTEN VANDALIZED; (3) SPECIAL PAVEMENT IS NOT NEEDED; (4) RAILINGS SHOULD BE PROVIDED AT HAZARDOUS AREAS; AND (5) INTERPRETATION SHOULD BE OFFERED THROUGH THE USE OF PORTABLE CASSETTE TAPE PLAYERS, AND BOOKLETS FOR THE HARD OF HEARING. (AUTHOR/RH)

AN - ED134414

CHAN- SE021431

TI - RECREATION ACTIVITY CLUSTERING: BEHAVIORAL AND MANAGEMENT IMPLICATIONS.

AU - YOESTING, DEAN R.

PD - 75

NO - 29P.

IS - RIE77JUN

PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.

DT - K

IT - *BEHAVIOR PATTERNS; *OUTDOOR EDUCATION; *RECREATION

IT - *RECREATIONAL ACTIVITIES; *RECREATIONAL FACILITIES; RESEARCH

ST - *RESEARCH REPORTS

AB - AN ALTERNATIVE METHOD FOR PREDICTING RECREATION USE PATTERNS IS EXPLORED. A FACTOR ANALYTICAL TECHNIQUE IS USED TO DETERMINE IF PATTERNS AND RECREATION CLUSTERS EXIST THAT CAN BE USED IN ESTIMATING RESPONSE TO NEW KINDS OF RECREATION DEVELOPMENTS. ANALYSIS OF 45 OUTDOOR RECREATION ACTIVITIES IS PRESENTED WITH 5 RECREATION CLUSTERS DEVELOPED. SOCIOECONOMIC CHARACTERISTICS ARE RELATED TO CLUSTER PARTICIPATION, AND INTERCLUSTER PARTICIPATION IS EXAMINED. A STRATIFIED RANDOM SAMPLE OF IOWA RESIDENTS 12 AND OLDER WAS USED. MANAGEMENT IMPLICATIONS ARE DISCUSSED. (AUTHOR)

AN - ED134419
CHAN - SE021491
TI - GUIDE FOR SELF-APPRAISAL AND CERTIFICATION OF RESIDENT OUTDOOR ENVIRONMENTAL EDUCATION PROGRAMS.
OS - LOS ANGELES COUNTY SUPERINTENDENT OF SCHOOLS, CALIF.
PD - 75
NO - 89P.
IS - RIE77JUN
PR - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE.
SPO - CALIFORNIA STATE DEPT. OF EDUCATION, SACRAMENTO.
DT - O
IT - *CERTIFICATION; *ELEMENTARY SECONDARY EDUCATION
IT - *ENVIRONMENTAL EDUCATION; *EVALUATION; *OUTDOOR EDUCATION
IT - PROGRAM DEVELOPMENT; PROGRAM EVALUATION; SCIENCE EDUCATION
IT - *STATE STANDARDS
ST - *CALIFORNIA; RESIDENT OUTDOOR EDUCATION
AB - THIS GUIDE WAS THE FIRST OF ITS KIND FOR PUBLIC SUPPORTED RESIDENT OUTDOOR ENVIRONMENTAL EDUCATION PROGRAMS (ROEEP) IN CALIFORNIA. THE DOCUMENT CONTAINS AN INSTRUMENT WHICH WILL IDENTIFY THE STRENGTHS AND POSSIBLE AREAS OF IMPROVEMENT FOR SPECIFIC RESIDENT OUTDOOR ENVIRONMENTAL EDUCATION PROGRAMS. THE INSTRUMENT AND PROCEDURES WERE FIELD TESTED. THE PURPOSES OF THE DOCUMENT ARE: (1) TO PROVIDE STANDARDS FOR ROEEP CERTIFICATION (MAKING THE INSTITUTION ELIGIBLE FOR POSSIBLE STATE FUNDS), AND (2) FOR SELF-STUDY TO IMPROVE THE LOCAL PROGRAM. THE CHECK LISTS AND PROCEDURES INCLUDE MANY USEFUL IDEAS FOR ANYONE INVOLVED WITH RESIDENT EDUCATION PROGRAMS. (RH)

AN - ED134433
CHAN- SE021719
TI - ENVIRONMENTAL EDUCATION CURRICULUM GUIDE - K-GRADE 5. AH-NEI, THE SPECIAL CLASSROOM ENVIRONMENTAL EDUCATION STUDY AREA .
OS - BUREAU OF LAND MANAGEMENT (DEPT. OF INTERIOR), BILLINGS, MONT.
PD - MAR 75
NT - 236P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT
IS - RIE77JUN
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
DT - C
IT - BIOLOGY; CURRICULUM; EARTH SCIENCE; ECOLOGY
IT - *ELEMENTARY EDUCATION; *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENT
IT - *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
IT - *OUTDOOR EDUCATION; *TEACHING GUIDES
AB - THIS IS A CURRICULUM GUIDE FOR ENVIRONMENTAL EDUCATION DESIGNED FOR USE IN GRADES K-5. WHILE THE GUIDE IS DESIGNED TO BE USED IN A MONTANA ENVIRONMENTAL EDUCATION STUDY AREA, MOST ACTIVITIES CAN BE USED DIRECTLY IN OTHER LOCATIONS; OTHERS CAN BE ADAPTED. INCLUDED ARE: (1) A DISCUSSION OF ECOLOGICAL TERMS, (2) A LIST OF VOCABULARY WORDS, (3) ACTIVITIES, AND (4) SUGGESTIONS FOR INSTRUCTION. MOST OF THE ACTIVITIES ARE DETAILED WITH BACKGROUND INFORMATION FOR THE TEACHER. THE SUGGESTIONS FOR INSTRUCTION INCLUDE A NUMBER OF CHECK LISTS AND OTHER PRACTICAL SUGGESTIONS FOR TEACHERS. (RH)

AN - ED134448
CHAN- SE021919
TI - VALUING THE ENVIRONMENT, K-6.
OS - CHARLOTTE-MECKLENBURG PUBLIC SCHOOLS, CHARLOTTE, N.C.
PD - 75
NO - 143P.: FOR RELATED DOCUMENTS, SEE SE 021 920 AND ED 106 087; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT
IS - RIE77JUN
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
SPO - NORTH CAROLINA STATE DEPT. OF PUBLIC INSTRUCTION, RALEIGH. DIV. OF DEVELOPMENT.
DT - G
IT - CONSERVATION EDUCATION; *ELEMENTARY EDUCATION
IT - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
IT - LEARNING ACTIVITIES; *NATURAL RESOURCES; OUTDOOR EDUCATION
IT - SCIENCE ACTIVITIES; SCIENCE EDUCATION; *VALUES
AB - THIS GUIDE WAS DEVELOPED FOR USE IN GRADES K-6 AS AN ENRICHMENT PROGRAM BASED ON CLARIFYING VALUES. THE PROGRAM, DESIGNED BY TEACHERS, AIMS TO DEVELOP IN THE STUDENT A GREATER AWARENESS AND UNDERSTANDING OF THE COMMUNITY, THEMSELVES, AND THE EARTH. THE PROGRAM INCLUDES A NUMBER OF ENVIRONMENTAL ENCOUNTERS. TOPICAL THEMES LEAD TEACHERS AND STUDENTS THROUGH MAIN AREAS OF AWARENESS: PLANTS AND ANIMALS, WATER, AIR, ENERGY, NATURAL RESOURCES, LAND USE, AND AESTHETICS AND POLLUTION. THE CONCEPTUAL SCHEMES UNDER EACH AREA OF AWARENESS INCREASE IN COMPLEXITY ACCORDING TO THE DEVELOPMENT LEVEL OF THE STUDENTS. THE ACTIVITIES IN THE ENCOUNTERS ARE ACTION-ORIENTED, STUDENT-CENTERED ACTIVITIES WHICH PROVIDE "HANDS-ON" LEARNING EXPERIENCES. EACH ENCOUNTER PROVIDES BACKGROUND INFORMATION, BEHAVIORAL OBJECTIVES, ACTIVITIES, A RESOURCE REFERENCE LISTING, AND VALUE CLARIFICATION STRATEGIES. INSTRUCTIONS FOR USE OF THE VALUE CLARIFICATION STRATEGIES CONTAINED IN THE PROGRAM ARE INCLUDED. (AUTHOR/RH)

```
AN   - ED134445
CHAN- SE021920
TI   - VALUING THE ENVIRONMENT, 7-12.
OS   - CHARLOTTE-MECKLENBURG PUBLIC SCHOOLS, CHARLOTTE, N.C.
PD   - JUN 75
NO   - 139P.; FOR RELATED DOCUMENTS, SEE SE 021 919 AND ED 106 087; NOT
       AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL
       DOCUMENT
IS   - RIE77JUN
PR   - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
SPO  - DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE, WASHINGTON, D.C.
CG   - CEG-C-74-7362
DT   - G
IT   - CONSERVATION EDUCATION; *CURRICULUM; *ENVIRONMENT
IT   - *ENVIRONMENTAL EDUCATION; INSTRUCTIONAL MATERIALS
IT   - LEARNING ACTIVITIES; NATURAL RESOURCES; OUTDOOR EDUCATION
IT   - SCIENCE EDUCATION; *SECONDARY EDUCATION; SOCIAL PROBLEMS
IT   - *TEACHING GUIDES; *VALUES
AB   - THIS DOCUMENT IS A PILOT PROGRAM OF AN INTERDISCIPLINARY NATURE
       THAT COMPLEMENTS THE EXISTING CURRICULUM UTILIZING VALUE
       CLARIFICATION STRATEGIES. INCLUDED IN THIS PUBLICATION ARE A
       VARIETY OF VALUE ENCOUNTERS. THE VALUE ENCOUNTERS ARE DIVIDED
       INTO FOUR BROAD CONCEPTUAL AREAS: (1) ENVIRONMENTAL MANAGEMENT;
       (2) ENVIRONMENTAL QUALITY; (3) ENVIRONMENTAL ECOLOGY; AND (4)
       SOCIOCULTURAL ENVIRONMENT. FOR EACH ENCOUNTER, THERE IS AN
       INTRODUCTORY SECTION, BEHAVIORAL OBJECTIVES, ACTIVITIES, VALUES
       STRATEGIES, AND A BIBLIOGRAPHY OF USEFUL RESOURCES. THE
       ACTIVITIES ARE GRADED FOR APPLICABILITY, GRADES 7-9, 10-12, OR
       7-12. (RH)
```

AN - ED134471

CHAN- SE022008

TI - EDUCATION'S ROLE IN LAND USE PLANNING. NATIONAL CONFERENCE OF THE CONSERVATION EDUCATION ASSOCIATION (23RD, UNIVERSITY OF POPTLAND, PORTLAND, OREGON, AUGUST 15-19, 1976).

PD - AUG 76

NO - 59P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT

IS - RIE77JUN

PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.

DT - S

IT - *CONFERENCES; CONSERVATION (CONCEPT); *CONSERVATION EDUCATION

IT - *ENVIRONMENT; ENVIRONMENTAL EDUCATION; *LAND USE

IT - *NATURAL RESOURCES; OUTDOOR EDUCATION; *PLANNING

IT - *PROGRAM DESCRIPTIONS

AB - PRESENTED IS AN OUTLINE OF THE PROGRAM AND ABSTRACTS OF MOST PRESENTED PAPERS FOR THE 23RD NATIONAL CONFERENCE OF THE CONSERVATION EDUCATION ASSOCIATION HELD IN AUGUST, 1976. THE THEME OF THE CONFERENCE WAS EDUCATION'S ROLE IN LAND USE PLANNING. PAPERS PRESENTED INCLUDE A VARIETY OF TOPICS RELATED TO LAND USE, CONSERVATION EDUCATION, NATURAL RESOURCES, ENVIRONMENTAL EDUCATION, AND OUTDOOR EDUCATION. A VARIETY OF PROGRAMS IS DESCRIBED INCLUDING FEDERAL, STATE, AND COUNTY LAND USE PLANNING AND PROGRAMS, AND SUCCESSFUL CASE HISTORIES OF EDUCATION'S ROLE IN LAND USE PLANNING FROM DIFFERENT PARTS OF THE UNITED STATES. (RH)

AN - ED135544
CHAN - RC009705
TI - ADMINISTRATIVE PROCEDURES FOR ESTABLISHING AN EFFECTIVE OUTDOOR PROGRAM FOR 5TH GRADE STUDENTS OF THE HOUSTON INDEPENDENT SCHOOL DISTRICT.
AU - HUCKESTEIN, JOSEPH J.
PD - 3 AUG 76
NO - 161P.; PRACTICUM REPORT FOR ED.D. DEGREE, NOVA UNIVERSITY
IS - RIE77JUL
PR - EDRS PRICE MF-$0.83 HC-$8.69 PLUS POSTAGE.
DT - R
IT - *CAMPING; *CHANGING ATTITUDES; CURRICULUM GUIDES
IT - *ENVIRONMENTAL EDUCATION; GRADE 5; *OUTDOOR EDUCATION
IT - *PROGRAM EVALUATION; SELF CONCEPT; *STUDENT ATTITUDES
ST - *HOUSTON INDEPENDENT SCHOOL DISTRICT
AB - PRACTICUM OBJECTIVES WERE TO: SELECT 3 OUTDOOR CAMPSITES, EACH WITH THE FACILITIES TO ACCOMMODATE 120 STUDENTS PER WEEK AND TO PROVIDE AN ENVIRONMENT TO IMPLEMENT OUTDOOR EDUCATION CONCEPTS (KNOWLEDGE AND SKILLS FOR INTELLIGENT ENVIRONMENTAL DECISION MAKING AND POSITIVE ATTITUDES TOWARD SELF, OTHERS, AND THE ENVIRONMENT); PREPARE AND DISSEMINATE AN OUTDOOR EDUCATION GUIDE FOR THE HOUSTON INDEPENDENT SCHOOL DISTRICT; DETERMINE THROUGH THE USE OF A PRE- AND POST-INSTRUMENT THE DEGREE OF THE STUDENT'S MODIFICATIONS TOWARD ENVIRONMENTAL AWARENESS. FROM AMONG 9,000 ETHNICALLY STRATIFIED (BLACK, MEXICAN AMERICAN, AND OTHER) FIFTH GRADE STUDENTS PARTICIPATING IN A SEQUENCE OF OUTDOOR CAMPING EXPERIENCES, 400 STUDENTS WERE RANDOMLY SELECTED AS AN EXPERIMENTAL GROUP; 100 NON-CAMPING STUDENTS MADE UP THE CONTROL GROUP. BOTH GROUPS WERE GIVEN PRE AND POST ATTITUDINAL QUESTIONNAIRES, AND THE EXPERIMENTAL GROUP WAS GIVEN THE SAME INSTRUMENT THREE MONTHS AFTER THE CAMPING EXPERIENCE TO DETERMINE IF THERE WERE ANY CARRYOVER. ADDITIONALLY, 35 PARTICIPATING TEACHERS WERE GIVEN AN OPINIONNAIRE FOR PURPOSES OF PROGRAM IMPROVEMENT. IN GENERAL, FINDINGS INDICATED THAT THERE WERE POSITIVE ATTITUDINAL CHANGES AS A RESULT OF THE PROGRAM. AMONG THE RECOMMENDATIONS MADE FOR FUTURE PROGRAMS WERE: SHORTER NATURE WALKS; AN OPINIONNAIRE FOR THE PARENTS OF PARTICIPATING STUDENTS; MORE CLEARLY DEFINED TEACHER ROLES; FOLLOWUP ON THE EXPERIMENTAL GROUP; ETC. (JC)

```
AN   - ED136971
CHAN - RC005715
TI   - OUTDOOR EDUCATION, A SELECTED BIBLIOGRAPHY (WITH ERIC ABSTRACTS).
       ERIC/CRESS SUPPLEMENT NO. 6.
OS   - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON
       RURAL EDUCATION AND SMALL SCHOOLS.
PD   - MAR 77
NO   - 111P.; FOR RELATED DOCUMENT, SEE ED 118 306
IS   - RIE77AUG
PR   - EDRS PRICE MF-$0.83 HC-$6.01 PLUS POSTAGE.
AV   - NATIONAL EDUCATIONAL LABORATORY PUBLISHERS, INC., 813 AIRPORT
       BOULEVARD, AUSTIN, TEXAS 78702 (STOCK NO. EC-052, $5.50)
SPO  - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
CG   - 400-75-0025
DT   - L
IT   - *ABSTRACTS; *ANNOTATED BIBLIOGRAPHIES; CAMPING
IT   - *CONSERVATION EDUCATION; CURRICULUM GUIDES
IT   - EARLY CHILDHOOD EDUCATION; ELEMENTARY SECONDARY EDUCATION
IT   - *ENVIRONMENTAL EDUCATION; FIELD TRIPS; HANDICAPPED CHILDREN
IT   - HIGHER EDUCATION; INSTRUCTIONAL MATERIALS; LEARNING ACTIVITIES
IT   - NATURAL RESOURCES; *OUTDOOR EDUCATION; PROGRAM DESCRIPTIONS
IT   - PROGRAM DEVELOPMENT; RESOURCE GUIDES; SCIENCE ACTIVITIES
IT   - SCIENCE EDUCATION; SUBJECT INDEX TERMS; TEACHING GUIDES
IT   - URBAN EDUCATION
AB   - A SUPPLEMENT TO SIX PREVIOUS BIBLIOGRAPHIES, THIS BIBLIOGRAPHY
       PROVIDES ACCESS TO SOME OF THE LATEST RESOURCE MATERIAL, RESEARCH
       FINDINGS, AND/OR DEVELOPMENTS IN OUTDOOR EDUCATION. PART I
       CONTAINS 47 CITATIONS AND ABSTRACTS WHICH APPEARED IN "RESOURCES
       IN EDUCATION" (RIE) FROM THE JANUARY 1976 ISSUE THROUGH THE
       DECEMBER 1976 ISSUE. PART II INCLUDES 69 CITATIONS OF JOURNAL
       ARTICLES WHICH APPEARED IN "CURRENT INDEX TO JOURNALS IN
       EDUCATION" (CIJE) FROM THE JANUARY 1976 ISSUE THROUGH THE
       DECEMBER 1976 ISSUE. IN ADDITION TO OUTDOOR EDUCATION, THE
       CITATIONS COVER SUCH TOPICS AS CAMPING, CONSERVATION EDUCATION,
       CURRICULUM DEVELOPMENT, DISCOVERY LEARNING, ECOLOGY, EDUCATIONAL
       PHILOSOPHY, ELEMENTARY SCHOOL SCIENCE, ENVIRONMENTAL EDUCATION,
       FIELD TRIPS, FACILITIES, HANDICAPPED CHILDREN, LAND USE, LEARNING
       ACTIVITIES, NATURAL RESOURCES, NATURE CENTERS, OCEANOLOGY,
       PROGRAM DEVELOPMENT, RESIDENT CAMP PROGRAMS, SCIENCE ACTIVITIES,
       TEACHER EDUCATION, AND URBAN ENVIRONMENT AND EDUCATION. TYPES OF
       MATERIALS CITED INCLUDE CURRICULUM GUIDES, RESEARCH REPORTS,
       RESOURCE GUIDES, INSTRUCTIONAL MATERIALS, PROGRAM DESCRIPTIONS,
       AND TEACHING GUIDES. A COMBINED RIE AND CIJE SUBJECT INDEX IS
       PROVIDED TO ASSIST THE USER IN LOCATING CITATIONS PERTAINING TO A
       GIVEN SUBJECT AREA WITHIN THE REALM OF OUTDOOR EDUCATION.
       ORDERING INFORMATION AND A LIST OF THE 16 ERIC CLEARINGHOUSES ARE
       INCLUDED. (NQ)
```

```
AN   - ED136558
CHAN- RC005776
TI   - A STUDY OF THE EFFECTS A RESIDENTIAL OUTDOOR EDUCATION EXPERIENCE
       HAD ON ADULTS WHO ATTENDED A PROGRAM IN ROCKFORD AS STUDENTS IN
       1963 AND 1966.
AU   - WARD, MARY E.
PD   - 1 DEC 76
NO   - 49P.; TERM REPORT FOR "OUTDOOR TEACHER EDUCATION 555:
       INTRODUCTION TO EDUCATIONAL RESEARCH IN OUTDOOR EDUCATION"
IS   - RIE77AUG
PR   - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
DT   - R
IT   - *ADULTS; ATTITUDES; ELEMENTARY EDUCATION; FOLLOWUP STUDIES
IT   - *GRADE 5; LEARNING EXPERIENCE; *OUTDOOR EDUCATION
IT   - *PROGRAM ATTITUDES; *PROGRAM EFFECTIVENESS; QUESTIONNAIRES
IT   - *RESIDENT CAMP PROGRAMS
ST   - *ILLINOIS (ROCKFORD)
AB   - THE STUDY DETERMINED WHETHER A RESIDENTIAL OUTDOOR EDUCATION
       PROGRAM IN ROCKFORD, ILLINOIS PROVIDED A LONG LASTING EFFECT ON
       THOSE STUDENTS WHO AS 5TH GRADERS PARTICIPATED IN A WEEK LONG
       EXPERIENCE IN 1963 OR 1966. THE HYPOTHESES DEVELOPED WERE:
       OUTDOOR EDUCATIONAL EXPERIENCES PROVIDE A LONG LASTING EFFECT ON
       THOSE WHO HAVE HAD THE EXPERIENCE; PAST OUTDOOR EDUCATIONAL
       EXPERIENCES PROVIDE FOR AWARENESS OF THE ENVIRONMENT AND
       ENVIRONMENTAL PROBLEMS; CONCEPTS FOR OUTDOOR EDUCATION ARE OF
       VALUE TO OUTDOOR EDUCATIONAL PROGRAMS; AND PARENTS WHO
       PARTICIPATED IN OUTDOOR EDUCATIONAL EXPERIENCES AS STUDENTS FEEL
       THE EXPERIENCE WAS WORTHWHILE AND WOULD SUPPORT AN OUTDOOR
       EDUCATION EXPERIENCE FOR THEIR CHILDREN. DATA WERE OBTAINED FROM:
       A LETTER SENT TO THE TEACHER ASKING ABOUT THE PROGRAM, AND
       ATTITUDE QUESTIONNAIRES MAILED TO 22 PARTICIPANTS OF THE 1963
       CLASS AND 16 OF THE 1966 CLASS. TEN OF THE 22 AND 5 OF THE 16
       QUESTIONNAIRES WERE RETURNED. IT WAS FOUND THAT THE RESIDENTIAL
       OUTDOOR EDUCATION EXPERIENCE THAT THESE ADULTS PARTICIPATED IN AS
       CHILDREN HAD HAD A LONG LASTING EFFECT ON THEM. THEY REMEMBERED
       THEIR EXPERIENCES, AND THE ACTIVITIES THEY PARTICIPATED IN. THEY
       FELT THAT THIS EXPERIENCE WAS GOOD AND WORTHWHILE TO THEM, AND IT
       WOULD BE SO TO THEIR CHILDREN. THE OPPORTUNITY TO ENJOY THE
       OUTDOORS AS CHILDREN MAY HAVE LED TO THEIR INTEREST IN OUTDOOR
       ACTIVITIES AS ADULTS. (NC)
```

```
AN   - ED137081
CHAN - SE022109
TI   - ELEMENTARY ENVIRONMENTAL LEARNING PACKET K-3, THIRD REVISED
       EDITION.  PRIMARY CEL BLOCKS, STUDENT ACTIVITY CARDS .
OS   - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.
PD   - 76
NO   - 264P.; FOR RELATED INTERMEDIATE LEARNING PACKET, SEE SE 022 110;
       FOR THE SECOND REVISED EDITION OF PRIMARY TEACHER'S GUIDE, SEE ED
       119 960; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF
       ORIGINAL DOCUMENT
IS   - RIE77AUG
PR   - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
SPO  - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE),
       WASHINGTON, D.C.
DT   - C
IT   - ART; *ELEMENTARY EDUCATION; *ENVIRONMENT
IT   - *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS; LANGUAGE ARTS
IT   - *LEARNING ACTIVITIES; MATHEMATICS; MUSIC; OUTDOOR EDUCATION
IT   - PRIMARY GRADES; SCIENCE ACTIVITIES; SOCIAL STUDIES
ST   - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
AB   - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS:
       PRIMARY AND INTERMEDIATE. THE LEARNING MATERIALS ARE ACTIVITY
       BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS WITH
       KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS ALSO
       INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM ART,
       LANGUAGE ARTS, MATHEMATICS, MUSIC, SCIENCE, AND SOCIAL STUDIES.
       THE MATERIALS IN THIS PRIMARY SET CONSIST OF STUDENT ACTIVITY
       CARDS AND RESOURCE MATERIALS. A GLOSSARY IS PROVIDED; IT IS KEYED
       TO THE ACTIVITY CARDS. (RH)
```

AN - ED137062
CHAN- SE022110
TI - ELEMENTARY ENVIRONMENTAL LEARNING PACKET GRADES 4-6, THIRD REVISED EDITION. INTERMEDIATE CEL BLOCKS, STUDENT ACTIVITY CARDS .
OS - BREVARD COUNTY SCHOOL BOARD, COCOA, FLA.
PD - 76
NO - 279P.; FOR RELATED PRIMARY LEARNING PACKET, SEE SE 022 109; FOR THE SECOND REVISED EDITION OF THE INTERMEDIATE TEACHER'S GUIDE, SEE ED 119 961; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF ORIGINAL DOCUMENT
IS - RIE77AUG
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
SPO - BUREAU OF ELEMENTARY AND SECONDARY EDUCATION (DHEW/OE), WASHINGTON, D.C.
DT - G
IT - *ELEMENTARY EDUCATION; *ENVIRONMENT; *ENVIRONMENTAL EDUCATION
IT - *INSTRUCTIONAL MATERIALS; *LEARNING ACTIVITIES; OUTDOOR EDUCATION
IT - SCIENCE ACTIVITIES; SOCIAL STUDIES
ST - ELEMENTARY SECONDARY EDUCATION ACT TITLE III; ESEA TITLE III
AB - THIS ENVIRONMENTAL EDUCATION PROGRAM CONSISTS OF TWO LEVELS: PRIMARY AND INTERMEDIATE. THE LEARNING MATERIALS ARE ACTIVITY BASED AND INCORPORATE PROCESS AND SUBJECT AREA SKILLS WITH KNOWLEDGE AND CONCERN FOR THE ENVIRONMENT. THE PROGRAM IS ALSO INTERDISCIPLINARY INCLUDING ACTIVITIES AND SKILLS FROM SEVERAL AREAS. THE MATERIALS IN THIS SET FOR INTERMEDIATE AND UPPER GRADES CONSIST OF STUDENT ACTIVITY CARDS AND RESOURCE MATERIALS. A GLOSSARY IS PROVIDED; IT IS KEYED TO THE ACTIVITY CARDS. (RH)

AN - ED137129

CHAN- SE022395

TI - CURRICULUM REPORT, VOLUME 6, NUMBER 3, MARCH 1977.

CS - NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS, RESTON, VA.

PD - MAR 77

NO - 13P.: FOR VOL. 3, N . 1. SEE ED 100 177; FOR VOL. 3, NO. 6, SEE ED 093 773; NOT AVAILABLE IN HARD COPY DUE TO COPYRIGHT RESTRICTIONS

IS - RIE77AUG

PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.

AV - NATIONAL ASSOCIATION OF SECONDARY SCHOOL PRINCIPALS, 1904 ASSOCIATION DRIVE, RESTON, VIRGINIA 22091 ($0.50 SINGLE COPY: 2-10 COPIES $0.30 EA.; PAYMENT MUST ACCOMPANY ORDER OF $10.00 OR LESS)

DT - J

IT - *CURRICULUM; *ELEMENTARY SECONDARY EDUCATION

IT - *ENVIRONMENTAL EDUCATION; FIELD STUDIES; *INSTRUCTIONAL MATERIALS

IT - OBJECTIVES; OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS

AB - THIS ISSUE OF CURRICULUM REPORT IS CONCERNED WITH ENVIRONMENTAL EDUCATION. PRESENTED ARE: (1) PRIMARY PURPOSES AND PREMISES OF ENVIRONMENTAL EDUCATION; (2) EXAMPLES OF SECONDARY SCHOOL ENVIRONMENTAL EDUCATION PROGRAMS; (3) THE USE OF OUTDOOR LABORATORIES AND NATURE CENTERS; (4) ENVIRONMENTAL EDUCATION PROGRAMS FOR STUDENTS WITH SPECIAL NEEDS; AND (5) MATERIALS AVAILABLE FROM THE ERIC SYSTEM AND OTHER SOURCES. (RH)

```
AN   - ED137283
CHAN- SP010924
TI   - A SOCIAL SCIENCE BIBLIOGRAPHY OF LEISURE AND RECREATION RESEARCH.
AU   - BURDGE, RABEL J.; AND OTHERS
PD   - DEC.75
NO   - 114P.
IS   - RIE77AUG
PR   - EDRS PRICE MF-$0.83 HC-$6.01 PLUS POSTAGE.
DT   - L
IT   - *BIBLIOGRAPHIC CITATIONS; ECONOMIC FACTORS; *LEISURE TIME
IT   - *LIFETIME SPORTS; OUTDOOR EDUCATION
IT   - *PHYSICAL RECREATION PROGRAMS; *RECREATIONAL ACTIVITIES
IT   - *RECREATIONISTS; SOCIAL ATTITUDES; SOCIAL RECREATION PROGRAMS
IT   - SOCIAL SCIENCE RESEARCH
AB   - THIS BIBLIOGRAPHY PROVIDES AN ACCESSIBLE SOURCE TO SOCIAL SCIENCE
       RESEARCH IN LEISURE, RECREATION, AND SPORTS. TOPICAL AREAS
       COVERED INCLUDE: (1) BIBLIOGRAPHIC SOURCES ON LEISURE AND
       RECREATION; (2) PHILOSOPHICAL ISSUES IN LEISURE; (3) THEORIES OF
       LEISURE AND RECREATION; (4) METHODS IN LEISURE AND RECREATION
       RESEARCH; (5) EVALUATION OF LEISURE AND RECREATION PROGRAMS; (6)
       MANAGEMENT AND PLANNING FOR LEISURE; (7) PROFILES OF LEISURE AND
       RECREATION BEHAVIOR; (8) RESOURCE-BASED OUTDOOR RECREATION; (9)
       LEISURE, RECREATION, AND THE ENVIRONMENT; (10) THE ECONOMICS OF
       RECREATION AND LEISURE; (11) COMMERCIAL AND PRIVATE RECREATION
       ACTIVITIES; (12) RECREATIONAL TRAVEL; (13) URBAN RECREATION; (14)
       LEISURE AND RECREATION PLACES; (15) LEISURE VALUES AND ATTITUDES;
       (16) SOCIAL CLASS, WORK, AND LEISURE; (17) SPORTS; AND (18)
       DEMAND ANALYSIS AND PREDICTION. (JD)
```

AN - ED137523

CHAN- CE010360

TI - OUTDOOR RECREATION. CURRICULUM MATERIALS FOR AGRICULTURAL EDUCATION.

AU - MCELWEE, ROBERT; AND OTHERS

OS - VIRGINIA POLYTECHNIC INST. AND STATE UNIV., BLACKSBURG. AGRICULTURAL EDUCATION PROGRAM.

PD - 76

NO - 83P.; SPEECH PRESENTED AT A STAFF DEVELOPMENT SEMINAR (THE CENTER FOR VOCATIONAL EDUCATION, THE OHIO STATE UNIVERSITY, COLUMBUS, OHIO, DECEMBER 1976)

IS - RIE77SEP

PR - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE.

SPO - VIRGINIA STATE DEPT. OF EDUCATION, RICHMOND. AGRICULTURAL EDUCATION SERVICE.

DT - C

IT - AGRIBUSINESS; *AGRICULTURAL EDUCATION; CAREER EXPLORATION

IT - CURRICULUM GUIDES; MANAGEMENT; NATURAL RESOURCES

IT - OFF FARM AGRICULTURAL OCCUPATIONS; POST SECONDARY EDUCATION

IT - *RECREATION; RECREATIONAL FACILITIES; RECREATIONAL PROGRAMS

IT - RECREATION FINANCES; RECREATION LEGISLATION; TEACHING GUIDES

IT - *VOCATIONAL AGRICULTURE; VOCATIONAL EDUCATION

ST - *OUTDOOR RECREATION

AB - THIS CURRICULUM GUIDE FOR AGRICULTURAL EDUCATION CONTAINS NINE CHAPTERS ON OUTDOOR RECREATION. EACH IS WRITTEN BY A DIFFERENT AUTHOR (PROFESSORS AT VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY) AND FOLLOWS A SIMILAR FORMAT: OBJECTIVES, LIST OF REFERENCES, LIST OF TEACHING MATERIALS, NOTES ON TEACHER PREPARATION, CONTENT FOR PRESENTATION, NOTES ON APPLICATION, AND NOTES ON TESTING. THE CHAPTERS ARE (1) SELECTING A CAREER IN OUTDOOR RECREATION, (2) EXPLORING OPPORTUNITIES FOR ESTABLISHING A RECREATION BUSINESS, (3) UNDERSTANDING THE ECONOMIC IMPORTANCE OF RENEWABLE NATURAL RESOURCES, (4) MEETING THE REQUIREMENTS OF LOCAL, STATE, AND FEDERAL LAWS, (5) INSURANCE FOR THE CAMPGROUND OWNER, (6) TURFGRASS MANAGEMENT, (7) MANAGING A RECREATION BUSINESS, (8) ENVIRONMENTAL CONSIDERATIONS IN OUTDOOR RECREATION, AND (9) REPAIRING AND MAINTAINING STURCTURES. (HD)

AN - ED138384
CHAN- RC009837
TI - CRESS-CROSS, 1976.
AU - CALDERON, MARGARITA, ED.
OS - NEW MEXICO STATE UNIV., UNIVERSITY PARK. ERIC CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS.
PD - 76
NO - 26P.; RELATED DOCUMENTS INCLUDE ED 108 794-801
IS - RIE77SEP
PR - EDRS PRICE MF-$0.83 HC-$2.06 PLUS POSTAGE.
SPO - NATIONAL INST. OF EDUCATION (DHEW), WASHINGTON, D.C.
CG - 400-75-0025
DT - J
IT - *AMERICAN INDIANS; *BIBLIOGRAPHIES; BILINGUAL EDUCATION
IT - EDUCATIONAL NEEDS; *LITERATURE REVIEWS; MEXICAN AMERICANS
IT - MIGRANT EDUCATION; *NEWSLETTERS; *OUTDOOR EDUCATION
IT - *RURAL EDUCATION; SMALL SCHOOLS
AB - THREE ISSUES OF THE "CRESS-CROSS" NEWSLETTER PUBLISHED DURING 1976 ARE COMPILED IN THIS PUBLICATION. THESE ISSUES INCLUDE INFORMATION ON: HOW TO CONTRIBUTE TO THE ERIC SYSTEM, THE COMPUTER SEARCH SERVICES AT THE ERIC CLEARINGHOUSE ON RURAL EDUCATION AND SMALL SCHOOLS, THE RURAL/REGIONAL EDUCATION ASSOCIATION'S RESEARCH AWARD FOR MERITORIOUS RESEARCH RELEVANT TO RURAL OR REGIONAL EDUCATION, AND THE GRADUATE LIBRARY INSTITUTE FOR SPANISH SPEAKING AMERICANS IN TUCSON, ARIZONA. ARTICLES ARE: "RURAL APPALACHIA: EDUCATIONAL NEEDS AND SOME REALITIES", "OUTDOOR EDUCATION IN THE EDUCATIVE PROCESS", AND "BILINGUAL PROGRAMS PREVAIL--A SAMPLE MODEL PROGRAM" (DISCUSSES THE BILINGUAL PROGRAMS IN EL PASO, TEXAS). BRIEF REVIEWS ARE GIVEN OF SUCH PAPERS AS: A 5-VOLUME SERIES OF POSITION PAPERS ON AMERICAN INDIAN EDUCATION, "SCHOOL MANAGEMENT OPTIONS FOR AMERICAN INDIANS", "THE AMERICAN INDIANS: ANSWERS TO 101 QUESTIONS", "OUTWARD BOUND AND TEACHER EDUCATION", "STRENGTHENING THE SMALL RURAL SCHOOL", "PROFILE ON THE MEXICAN AMERICAN WOMAN", "ADVENTURE EDUCATION--WHAT IS IT AND HOW DO WE EVALUATE IT?", AND "THE LAW OF THE PEOPLE (DINE BIBEE HAZ'AANNII): A BICULTURAL APPROACH TO LEGAL EDUCATION FOR NAVAJO STUDENTS". A LISTING OF 328 DOCUMENTS APPEARING IN ISSUES OF "RESOURCES IN EDUCATION" AND PERTAINING TO AMERICAN INDIANS, MEXICAN AMERICANS, MIGRANTS, RURAL EDUCATION, SMALL SCHOOLS, AND OUTDOOR EDUCATION IS INCLUDED. (NQ)

```
AN   - ED139555
CHAN - RC009888
TI   - PROJECT BACSTOP, E.S.E.A. TITLE III. EVALUATIVE REPORT, 1975-1976.
AU   - SNOOKS, LEE; LONG, DANIEL
OS   - BATTLE CREEK PUBLIC SCHOOLS, MICH.
PD   - 9 AUG 76
NO   - 84P.
IS   - RIE77OCT
PR   - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE.
SPO  - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. PROJECTS TO ADVANCE
       CREATIVITY IN EDUCATION.
DT   - Y
IT   - *BEHAVIOR CHANGE; *BIRACIAL SECONDARY SCHOOLS; BLACK STUDENTS
IT   - CAUCASIANS; CHANGING ATTITUDES; COGNITIVE DEVELOPMENT
IT   - COMPARATIVE ANALYSIS; GRADE 7; GROUP RELATIONS
IT   - *INTERACTION PROCESS ANALYSIS; JUNIOR HIGH SCHOOL STUDENTS
IT   - *OUTDOOR EDUCATION; PROGRAM EVALUATION; *RACE RELATIONS
IT   - SECONDARY EDUCATION; SOCIOMETRIC TECHNIQUES
ST   - *BATTLE CREEK SCHOOL DISTRICT MI; ORIENTEERING; *PROJECT BACSTOP
AB   - DURING THE 1968-72 YEARS, NORTHWESTERN JUNIOR HIGH SCHOOL HAD THE
       REPUTATION OF THE "MOST RACIALLY TROUBLED" JUNIOR HIGH SCHOOL IN
       BATTLE CREEK, MICHIGAN. THE BACSTOP (BETTER ACQUISITION OF
       COGNITIVE SKILLS THROUGH OUTDOOR PROGRAMMING) WAS IMPLEMENTED TO
       ADDRESS SOME OF THE NEGATIVE PROBLEMS FACING THE SCHOOL. BACSTOP
       AIMED TO: CREATE A MECHANISM THAT WOULD STOP AND REVERSE THE
       RACIAL SEPARATISM AND ISOLATION PATTERN THAT BEGAN TO DEVELOP
       AMONG NEW 7TH GRADERS ENTERING THE SCHOOL EACH YEAR; AND IMPROVE
       THE EDUCATIONAL PERFORMANCE OF 7TH GRADERS IN BASIC SKILLS BY
       REFOCUSING STUDENTS, FACULTY AND ADMINISTRATIVE ATTENTION ON THE
       SCHOOL'S COGNITIVE RESPONSIBILITIES. ACTIVITIES WERE DESIGNED TO
       BRING STUDENTS INTO EARLY CONTACT WITH EACH OTHER IN SITUATIONS
       REQUIRING THAT THEY COMMUNICATE WITH EACH OTHER AND WORK TOGETHER
       TO BRING ABOUT A POSITIVE AND SUCCESSFUL EXPERIENCE. FOUR
       ACTIVITIES ENCOMPASSING TWO DAYS AND ONE NIGHT WERE DEVELOPED AS
       THE MAJOR THRUST OF THE OUTDOOR PROGRAM (ROPE COURSE;
       BACKPACKING; CROSS COUNTRY SKIING, WINTER CAMPING AND DUAL SOLO;
       AND A CANOE TRIP). IN ADDITION EACH STUDENT WAS GIVEN THE
       OPPORTUNITY TO SIGN UP FOR ONE 5-DAY EXPEDITION IN AN ISOLATED
       AREA IN NORTHERN MICHIGAN. BY THE END OF THE 1975-76 SCHOOL YEAR,
       THE SCHOOL REPRESENTED A MORE POSITIVE PROFILE. THERE WAS A
       HIGHER LEVEL OF POSITIVE BIRACIAL INTERACTION AMONG 7TH GRADE
       STUDENTS; AND RATE OF ACHIEVEMENT EXCEEDED THE DISTRICT RATE OF
       ACHIEVEMENT. (NQ)
```

AN - ED139563
CHAN- RC009857
TI - INSTRUCTOR'S MANUAL, REVISED 1976. COLORADO OUTWARD BOUND SCHOOL.
OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.
PD - 76
NO - 113P.
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER, COLORADO 80203 ($5.00)
DT - G
IT - ACCIDENT PREVENTION; ACTIVITY LEARNING; CAMPING
IT - COURSE DESCRIPTIONS; COURSE OBJECTIVES; *CURRICULUM GUIDES
IT - FIRST AID; INTERDISCIPLINARY APPROACH; LESSON PLANS; MAP SKILLS
IT - *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES; POLICY
IT - *PROGRAM CONTENT; RUNNING; *SAFETY EDUCATION; TEACHING GUIDES
IT - TEACHING PROCEDURES
ST - *COLORADO OUTWARD BOUND SCHOOL; *EXPERIENTIAL LEARNING
ST - ORIENTEERING; OUTWARD BOUND
AB - PROVIDING TRADITIONAL KNOWLEDGE AND SKILLS, THE COLORADO OUTWARD BOUND SCHOOL (COBS) PROGRAM HAS DEVELOPED ITS PROGRAM AROUND A TRAINING PHASE, AN EXPEDITION, SOLO, FINAL EXPEDITION, AND CONCLUDING PHASE. INTENDED TO BE AN EXPERIENTIAL LEARNING EXPERIENCE THAT ENCOURAGES STUDENTS TO BECOME INVOLVED IN EXPLORING NEW OR UNUSUAL AREAS OF THEIR LIVES, THE PROGRAM AIMS TO PLACE THE STUDENT IN SITUATIONS THAT ENABLE HIM TO LEARN FROM HIS EXPERIENCE. THIS MANUAL PROVIDES THE INFORMATION NECESSARY TO CONDUCT AN OUTWARD BOUND COURSE SAFELY AND SUCCESSFULLY. THE MANUAL CONTAINS: THE OBJECTIVES OF THE COBS PROGRAM; A SYLLABUS OF ACTIVITIES THAT MAKE UP A TYPICAL OUTWARD BOUND COURSE--ARRIVAL, TRAINING, RESUPPLY, EXPEDITION, SOLO, FINAL EXPEDITION, MARATHON, AND WRAP-UP; COMMENTS THAT HELP GUIDE THE INSTRUCTOR IN APPLYING THE SYLLABUS; AN ACTION PLAN FOR DEALING WITH EMERGENCY SITUATIONS (STEPS AND TECHNIQUES); SAFETY POLICY THAT MUST BE ADHERED TO; PROCEDURES THAT PROVIDE GUIDELINES FOR ACTIVITIES ON A COURSE; EXPECTATIONS FOR STAFF; NECESSARY REPORTS; AND LESSON PLANS FOR ROCK, SNOW, AND ICE CLIMBING, PEAK CLIMBS, BACKCOUNTRY ETHIC, CAMPCRAFT, USE OF THE MAP AND COMPASS, ZIP LINE AND GORGE CROSSING, THE ROPES COURSE, THE RUN AND DIP, AND THE MARATHON. (NC)

AN - ED139544
CHAN- RC009858
TI - LOGISTICS HANDBOOK, 1976. COLORADO OUTWARD BOUND SCHOOL.
DS - COLORADO OUTWARD BOUND SCHOOL, DENVER.
PD - 76
NO - 92P.
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER, COLORADO 80203 ($4.00)
DT - G
IT - ACCOUNTABILITY; *ADMINISTRATOR GUIDES; CLOTHING; *COORDINATORS
IT - EDUCATIONAL EQUIPMENT; EQUIPMENT MAINTENANCE; FIRST AID; FOOD
IT - MOTOR VEHICLES; *OCCUPATIONAL INFORMATION; *OUTDOOR EDUCATION
IT - PERFORMANCE SPECIFICATIONS; PURCHASING; RECORDS (FORMS)
IT - *RESPONSIBILITY; SUMMER PROGRAMS
ST - COLORADO OUTWARD BOUND SCHOOL; *LOGISTICS; *OUTWARD BOUND
AB - LOGISTICS, A SUPPORT MISSION, IS VITAL TO THE SUCCESSFUL OPERATION OF THE COLORADO OUTWARD BOUND SCHOOL (COBS) COURSES. LOGISTICS IS RESPONSIBLE FOR PURCHASING, MAINTAINING, TRANSPORTING, AND REPLENISHING A WIDE VARIETY OF ITEMS, I.E., FOOD, MOUNTAINEERING AND CAMPING EQUIPMENT, MEDICAL AND OTHER SUPPLIES, AND VEHICLES. THE LOGISTICS COORDINATOR WORKS DIRECTLY WITH THE COURSE DIRECTOR. THIS HANDBOOK PROVIDES THE BASIC INFORMATION NEEDED BY A LOGISTIC COORDINATOR. THE INFORMATION PERTAINS TO: THE COORDINATOR'S JOB DESCRIPTION; STAFF PURCHASES AND DISCOUNTS (SUPPLIER, ITEM, AND DISCOUNT PERCENTAGE); BASE OPERATIONS; VEHICLES AND VEHICLE MAINTENANCE; EQUIPMENT ISSUE AND TURN-IN PROCEDURE; MAINTENANCE AND USE OF OPTIMUS STOVES; FIRST AID RESPONSIBILITIES; ACCIDENT REPORT PROCEDURES; ACCOUNTING AND CONTROL OF PRESCRIPTION DRUGS; HELICOPTER ALERT PROCEDURE; NOTIFICATION SEQUENCE IN CASE OF SERIOUS ACCIDENT IN THE FIELD; FRESH FOOD RESUPPLY FOR THE DIFFERENT AREAS; FRESH FOOD MENUS; ADMINISTRATIVE AND CLOSING PROCEDURES; AND MAP ORDERING PROCEDURE. ALSO INCLUDED ARE: COPIES OF THE VEHICLE INCIDENT REPORT, EQUIPMENT INVOICE, SEWING CHARGES SHEET, STORE INVOICE, FIELD EXPENSE RECORD, PURCHASE ORDERS, DISBURSEMENT REQUISITION, AND PERSONAL EFFECTS RECEIPT; AND LISTINGS OF STANDARD STUDENT EQUIPMENT FOR SUMMER COURSE, SUMMER AND WINTER CLOTHING, STANDARD FIRST AID KITS, AND DRY FOOD AND RATIONS. GENERAL STUDENT INFORMATION IS GIVEN. (NQ)

```
AN   - ED139565
CHAN- PC009899
TI   - A PLANNING GUIDE FOR SHORT BACKPACKING AND SKI TOURING COURSES
       WITH COLORADO OUTWARD BOUND SCHOOL.
AU   - WOLFOD, RICKI
OS   - COLORADO OUTWARD BOUND SCHOOL, DENVER.
PD   - SEP 75
NO   - 66P.
IS   - RIE77OCT
PR   - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV   - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER,
       COLORADO 80203 ($2.00)
DT   - G
IT   - ACCIDENT PREVENTION; BIBLIOGRAPHIES; CHARTS; CLOTHING
IT   - CREATIVE ACTIVITIES; ECOLOGY; ENVIRONMENTAL EDUCATION; FIRST AID
IT   - FOOD; GEOLOGY; GROUP EXPERIENCE; *GUIDES; HISTORY
IT   - *HUMANISTIC EDUCATION; INSTRUCTIONAL TRIPS
IT   - *INTEGRATED ACTIVITIES; INTERDISCIPLINARY APPROACH; MAP SKILLS
IT   - MODELS; OBJECTIVES; *OUTDOOR EDUCATION; PROGRAM EVALUATION
IT   - *PROGRAM PLANNING; STUDENT PARTICIPATION; STUDENT PROJECTS
IT   - TEACHER RESPONSIBILITY; TEACHER ROLE; VALUES
ST   - *BACKPACKING; COLORADO OUTWARD BOUND SCHOOL; OUTWARD BOUND
ST   - *SKIING
AB   - OUTWARD BOUND (OB) BACKPACKING AND NORDIC SKI PROGRAMS AIM TO
       INTEGRATE HUMANISTIC GOALS (I.E., PERSONAL AWARENESS AND
       UNDERSTANDING AND COMPASSION FOR OTHERS) WITH THE SCHOOL'S
       CURRICULUM. PROGRAM GOALS FALL IN THREE AREAS--PERSONAL, GROUP,
       AND ACADEMIC. IN DESIGNING A SUCCESSFUL COURSE WHICH WILL ACHIEVE
       THE GOALS, THERE ARE SEVERAL PHASES, ALL EQUALLY IMPORTANT:
       PLANNING, STUDENT INVOLVEMENT, CLASSROOM PREPARATION, CONNECTING
       EXPERIENCE, AND FOLLOW-UP OR EVALUATION. FOLLOWING THESE PHASES,
       THIS GUIDE PRESENTS IDEAS TO AID TEACHERS IN DESIGNING AND
       CARRYING OUT THEIR OWN OB PROGRAMS. COVERED ARE: TEACHERS' ROLE
       AND RESPONSIBILITIES; FUND RAISING; FOOD PLANNING; STUDENTS'
       PROJECTS; SUGGESTED ACTIVITIES IN GEOLOGY, ECOLOGY, WEATHER, MAP
       AND COMPASS, HUMAN HISTORY, AND CREATIVE WRITING AND ART;
       ACTIVITIES DURING THE COURSE--INTRODUCTION GAMES, GROUP JOURNALS,
       ENVIRONMENTAL AWARENESS EXERCISES, GROUP EXPERIENCES, VALUES
       CLARIFICATION, POETRY, STORIES, READINGS, AND PERSONAL
       INTERVIEWS; AND COURSE EVALUATION. APPENDICES INCLUDE: AN OB
       SHORT SCHOOL PROGRAM PROPOSAL FORM, TIME LINE CHART, BACKPACKING
       AND SHORT SKI PROGRAM MODELS, SAMPLE MENUS, INSULATION AND CHILL
       FACTOR CHARTS, COMMON ANIMAL TRACKS, FIRST AID KIT AND CLOTHING
       LISTS, A GENERAL BIBLIOGRAPHY OF SKI TOURING LITERATURE, RULES
       FOR PREVENTING HYPOTHERMIA AND FOR AVOIDING AND SURVIVING SNOW
       AVALANCHES, AND A SKI TOURING PROGRAM EVALUATION FORM. (NQ)
```

AN - ED139566
CHAN - RCC09900
TI - RESOURCE GUIDE TO THE PAWNEE GRASSLANDS.
AU - KIELSMEIER, JIM; AND OTHERS
OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.
PD - AUG 75
NO - 35P.
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - COLORADO OUTWARD BOUND SCHOOL, 945 PENNSYLVANIA STREET, DENVER, COLORADO 80203 ($2.00)
DT - G
IT AMERICAN INDIANS; ANTHROPOLOGY; ARCHAEOLOGY; CLIMATIC FACTORS
IT - *ENVIRONMENTAL EDUCATION; ENVIRONMENTAL INFLUENCES; FIELD TRIPS
IT - GEOLOGY; HISTORY; INFORMATION SOURCES; *INTEGRATED ACTIVITIES
IT - *INTERDISCIPLINARY APPROACH; LAND SETTLEMENT; LITERATURE
IT - MIGRATION PATTERNS; NUTRITION; *OUTDOOR EDUCATION
IT - *RESOURCE GUIDES; RESOURCE MATERIALS; UNIT PLAN
ST - *COLORADO; LOGISTICS; *PAWNEE GRASSLANDS

AB - COLORADO'S PAWNEE GRASSLANDS ARE WELL SUITED FOR A WIDE RANGE OF ACADEMIC STUDY, FROM ASTRONOMY TO ZOOLOGY. DESIGNED FOR EDUCATORS AND YOUTH LEADERS SEEKING TO INTEGRATE AN ALTERNATIVE EXPERIENCE INTO THEIR CURRICULUM OR RECREATION PROGRAM, THIS GUIDE IS INTENDED TO GIVE LEADERS OF EXCURSIONS TO THE GRASSLANDS A SENSE OF WHAT'S OUT THERE AND SOME IDEAS ON HOW TO CREATIVELY USE THE ENVIRONMENT. THE GUIDE PRESENTS INFORMATION ON THE: GRASSLANDS AS A LEARNING ENVIRONMENT; ARCHAEOLOGICAL SEQUENCE IN THE CENTRAL GREAT PLAINS; RECENT AMERICAN INDIAN HISTORY; THE BUFFALO RANGE FROM 1850 TO 1880; MIGRATION AND SETTLEMENT PATTERNS IN NORTHEASTERN COLORADO; SETTLEMENT DATES OF SELECTED TOWNS IN NORTHEASTERN COLORADO; WHITE MAN AND THE GRASSLANDS; GEOLOGY OF THE PAWNEE GRASSLANDS--SOIL, CLIMATE, PRECIPITATION AND TEMPERATURE, IMPORTANT GRASSES, AND BIRDS AND MAMMALS; DEVELOPMENT OF A UNIT--AN INTERDISCIPLINARY APPROACH TO THE GRASSLANDS, ACTIVITY SITES, EQUIPMENT, SAFETY, FOOD AND WATER SUGGESTIONS, NUTRITIONAL COMPONENTS IN THE EDIBLE PORTION OF ONE POUND OF FOOD, SAMPLE IDEAS FOR EXPERIENCE-ORIENTED INTERDISCIPLINARY GRASSLANDS UNITS; AND GRASSLANDS INFORMATION SOURCES COVERING ANTHROPOLOGY, ENVIRONMENT, INDIAN HISTORY, LITERATURE, OUTDOOR SKILLS/LOGISTICS OF FIELD TRIPS, AND PIONEER HISTORY. (NQ)

```
AN   - ED139570
CHAN - RC009904
TI   - DRUTHERS  A COLLECTION OF VIABLE IDEAS FROM RURAL SCHOOLS.
AU   - ELLIOTT, RICHARD D., COMP.
OS   - GREENE - DELAWARE - SCHOHARIE - OTSEGO BOARD OF COOPERATIVE
       EDUCATIONAL SERVICES, STAMFORD, N.Y.
PD   - JUL 75
NO   - 96P.; NOT AVAILABLE IN HARD COPY DUE TO MARGINAL LEGIBILITY OF
       ORIGINAL DOCUMENT
IS   - RIE77OCT
PR   - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
SPO  - OFFICE OF EDUCATION (DHEW), WASHINGTON, D.C. PROJECTS TO ADVANCE
       CREATIVITY IN EDUCATION.
DT   - K
IT   - CAREER EDUCATION; CENTERS OF INTEREST; CLASS ORGANIZATION; DRAMA
IT   - EARLY CHILDHOOD EDUCATION; EDUCABLE MENTALLY HANDICAPPED
IT   - *EDUCATIONAL ALTERNATIVES; EDUCATIONAL INNOVATION
IT   - ELEMENTARY SECONDARY EDUCATION; INDEPENDENT STUDY
IT   - INDIVIDUALIZED INSTRUCTION; *INSTRUCTIONAL INNOVATION
IT   - *LEARNING ACTIVITIES; MUSIC; NONGRADED SYSTEM; OPEN EDUCATION
IT   - OUTDOOR EDUCATION; PERCEPTUAL MOTOR LEARNING; PHYSICAL EDUCATION
IT   - READINESS; READING READINESS; RESOURCE GUIDES; *RURAL EDUCATION
IT   - *RURAL SCHOOLS; SCIENCE ACTIVITIES; SOCIAL STUDIES
IT   - SPECIAL EDUCATION; *TEACHING METHODS; TEAM TEACHING
ST   - *NEW YORK
AB   - AN INDIVIDUALIZED JUNIOR HIGH SCHOOL, A YOUTH RESOURCES PROGRAM
       THAT INTERWEAVES HIGH SCHOOL WITH SUPERVISED WORK EXPERIENCES,
       MULTI-AGED ELEMENTARY FAMILY GROUPINGS THAT MAINSTREAM EMR
       (EDUCABLE MENTALLY RETARDED) CHILDREN, AND A SINGLE LIBRARY ROOM
       TRANSFORMED INTO SEVEN OPTIONAL LEARNING STATIONS USING A
       MULTI-CHANNEL AUDIO SYSTEM ARE REAL PROGRAMS THAT MAKE A
       DIFFERENCE FOR STUDENTS IN RURAL SCHOOLS. THIS BOOKLET PRESENTS
       65 INNOVATIVE AND PROMISING EDUCATIONAL PRACTICES THAT HAVE BEEN
       SUCCEEDING IN CLASSROOMS IN NEW YORK'S RURAL SCHOOLS. THE BOOKLET
       AIMS: TO BUILD GREATER AWARENESS ABOUT PROGRAMS THAT CAN WORK IN
       RURAL SCHOOLS; AND TO SERVE AS A RESOURCE BOOK, NOT ONLY OF
       IDEAS, BUT ALSO OF EXPERIENCED PEOPLE WHO ARE ABLE TO OFFER
       INSIGHTS FOR TURNING IDEAS INTO WORKING PROGRAMS. IDEAS COVER
       SUCH TOPICS AS: PRIMARY, MIDDLE SCHOOL, AND SECONDARY
       ORGANIZATION; ORIENTATION FOR PRESCHOOL CHILDREN ENTERING PRIMARY
       SCHOOL; READING READINESS; READINESS SKILLS; MOTOR-PERCEPTUAL
       TRAINING; OPEN EDUCATION; A NONGRADED APPROACH; TEAM TEACHING;
       READING; COOKING; SPECIAL EDUCATION; PHYSICAL EDUCATION; ENGLISH;
       SOCIAL STUDIES; SCIENCE; INDEPENDENT STUDY; MUSIC; MEDIA CENTERS;
       OUTDOOR EDUCATION; ART; CAREER EDUCATION; HUMANITIES;
       COMMUNICATION ARTS; DRAMA; PROJECT ARTS; GRADUATION FROM JUNIOR
       HIGH SCHOOL; VOLUNTEER PROGRAMS; FAMILY GROUP APPROACH; AND
       MAINSTREAMING PRIMARY AND INTERMEDIATE CHILDREN. (NQ)
```

AN - ED139571
CHAN- RC009905
TI - OUTWARD BOUND ADAPTIVE PROGRAMS IN PRIVATE SCHOOLS.
OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.
PD - 74
NO - 23P.
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
DT - D
IT - *ARTICULATION (PROGRAM); *DIRECTORIES; EDUCATIONAL ALTERNATIVES
IT - ENROLLMENT; INDIVIDUALIZED PROGRAMS; *OUTDOOR EDUCATION
IT - *PRIVATE SCHOOLS; *PROGRAM CONTENT; PROGRAM DESCRIPTIONS
ST - EXPERIENTIAL LEARNING; *OUTWARD BOUND
AB - DEMONSTRATING THE VARIETY IN PROGRAM AND STUDENT INVOLVEMENT IN EXPERIMENTAL LEARNING, THIS CATALOG BRINGS TOGETHER SOME OF THE VARIOUS ADAPTATIONS OF OUTWARD BOUND (OB) IN 82 PRIVATE SCHOOLS AROUND THE COUNTRY. THE CATALOG, WHICH MAY SERVE AS A SOUNDING BOARD FOR A BRAINSTORMING SESSION, INCLUDES: THE SCHOOL NAME, ADDRESS, AND PHONE; CONTACT PERSON FOR EACH SCHOOL; IDEAS THAT HAVE BEEN IMPLEMENTED; WHETHER THE SCHOOL IS COED OR NOT; AND THE GRADE LEVEL INVOLVED. EACH SCHOOL HAS DECIDED ITS NEEDS AND ABILITIES AFTER HOURS OF BRAINSTORMING, EXPERIMENTING, CHANGING, EVALUATING, AND RE-EVALUATING. THE ADAPTATIONS ARE BUILT AROUND THE PHILOSOPHY AND GOALS OF OB AND THE BASIC COMPONENTS OF THE OB COURSE--INITIAL SKILLS TRAINING, AN EXPEDITION, A SOLO, A FINAL EXPEDITION, AND A FOLLOW-UP. A BRIEF DISCUSSION OF OUTWARD BOUND AND ITS HISTORY, AND AN ALPHABETICAL LISTING OF THE SCHOOLS BY STATE ARE INCLUDED. (NQ)

AN - ED139572
CHAN - RC009906
TI - TOWARD DEFINING MEASURABLE OBJECTIVES IN THE AFFECTIVE DOMAIN FOR EXPERIENTIAL EDUCATION PROGRAMS.
AU - MCKEAN, BOB, ED.; AND OTHERS
OS - COLORADO OUTWARD BOUND SCHOOL, DENVER.
PD - 75
NC - 34P.
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV - COLORADO OUTWARD BOUND SCHOOL. 945 PENNSYLVANIA STREET, DENVER, COLORADO 80203 ($1.00)
DT - B
IT - ACTIVITY LEARNING; *AFFECTIVE BEHAVIOR; AFFECTIVE OBJECTIVES
IT - *BEHAVIORAL OBJECTIVES; *BEHAVIOR CHANGE; COMMUNITY INVOLVEMENT
IT - COURSE OBJECTIVES; EDUCATIONAL ALTERNATIVES; EDUCATIONAL PROGRAMS
IT - ELEMENTARY SECONDARY EDUCATION; EXCEPTIONAL (ATYPICAL)
IT - GROUP ACTIVITIES; LEARNING ACTIVITIES; *OBSERVATION
IT - *OUTDOOR EDUCATION; RETARDED CHILDREN; SKILL DEVELOPMENT
ST - *EXPERIENTIAL LEARNING; *OUTWARD BOUND

AB - HOW DO WE ESTIMATE PERSONAL GROWTH? WHAT DO EXPERIENTIAL EDUCATION PROGRAMS ACCOMPLISH? PERSONAL GROWTH (AFFECTIVE DOMAIN) OFTEN IS FOSTERED THROUGH EXPERIENTIAL EDUCATION PROGRAMS, BUT IT IS DIFFICULT TO MEASURE THE RELATIONSHIP BETWEEN THE TWO. ONE MANNER OF MEASUREMENT IS THE OBSERVATION OF EXTERNAL ACTIONS BY A STUDENT THAT DEMONSTRATE WHAT PERSONAL, INTERNAL GROWTH IS TAKING PLACE. THIS OBSERVATION CAN YIELD AN ACCURATE, SENSITIVE ESTIMATE OF PERSONAL GROWTH. IT REQUIRES, HOWEVER, CLEAR DEFINITION OF PROGRAM GOALS AND STUDENT OBSERVABLE BEHAVIOR. THIS PAPER EXPLORES THIS MANNER OF MEASUREMENT BY DISCUSSING THE NECESSITY FOR OBJECTIVES, DESCRIBING THE AFFECTIVE DOMAIN, AND DISCUSSING THE UTILIZATION OF BEHAVIORAL INDICATORS TO MAKE AFFECTIVE OBJECTIVES WORKABLE. SIX PROGRAM DESCRIPTIONS ARE INCLUDED AS EXAMPLES OF THE COMBINATION OF AFFECTIVE MEASURABLE OBJECTIVES WITH THE FIELD OF EXPERIENTIAL EDUCATION. ILLUSTRATING WHAT IS POSSIBLE AND BEING DEVELOPED IN THE FIELD OF EXPERIENTIAL EDUCATION, THE EXAMPLES INCLUDE THE NECESSARY BEHAVIORAL INDICATORS, WHICH GUIDE THE TEACHER-OBSERVER IN THE RECOGNIZING AND CATEGORIZING STUDENT CHANGE. THE PROGRAMS COVER: INVOLVEMENT IN THE LOCAL COMMUNITY; LIVING WITHIN A NEW COMMUNITY ENVIRONMENT; OUTDOOR ACTIVITIES FOR SPRING, SUMMER, FALL, AND WINTER; AND OUTDOOR PURSUITS FOR MENTALLY RETARDED AND FOR "DISAFFECTED" STUDENTS. (AUTHOR/NQ)

```
AN   - ED139590
CHAN - RC009926
TI   - HEBERTISME.
AU   - COUSINEAU, CLAUDE
OS   - ONTARIO MINISTRY OF CULTURE AND RECREATION, TORONTO.
PD   -  76
NO   - 97P.
IS   - RIE77OCT
PR   - EDRS PRICE MF-$0.83 PLUS POSTAGE. HC NOT AVAILABLE FROM EDRS.
AV   - ONTARIO GOVERNMENT BOOK STORE, 880 BAY STREET, TORONTO, ONTARIO,
       CANADA M7A 1N8 ($0.50)
DT   - C
IT   - CARTOONS; CONCEPT FORMATION; DEFINITIONS; *GUIDES; *ILLUSTRATIONS
IT   - *OUTDOOR EDUCATION; *PHYSICAL EDUCATION; *PROGRAM DEVELOPMENT
IT   - *SITE DEVELOPMENT; SITE SELECTION
ST   - EXPERIENTIAL LEARNING; *HEBERTISME
AB   - DESIGNED TO BE OF USE TO OUTDOOR EDUCATION CENTERS, CAMP SET-UPS,
       OR EVEN PUBLIC OR PRIVATE SCHOOLS, THIS GUIDE TO THE DEVELOPMENT
       OF AN "HEBERTISME" SITE PRESENTS THE FOLLOWING: (1) DEFINITION
       ("AN OPPORTUNITY TO DISCOVER ONE'S OWN POTENTIAL AND LIMITATIONS
       IN MOVING ABOUT IN THE NATURAL ENVIRONMENT" USING A NETWORK OF
       NATURAL AND MANMADE OBSTACLES PLACED IN A FORESTED AREA); (2)
       GEORGE HEBERT AND THE DEVELOPMENT OF A PHYSICAL FITNESS TRAINING
       CONCEPT THAT INCORPORATES NATURAL EXERCISES WHICH ARE FUNCTIONAL,
       USEFUL, AND GLOBAL AND PERFORMED IN THE OPEN AIR); (3) THE MEN
       WHO IMPORTED HEBERT'S IDEAS ON PHYSICAL FITNESS (FATHER RAOUL
       CLOUTIER AND GEORGES GAUVREAU); (4) SITE SELECTION (AN ACCIDENTAL
       TERRAIN OF FOUR TO FIVE ACRES INCLUDING A FLAT PLATEAU IS IDEAL);
       (5) SITE DEVELOPMENT (AN IDEAL SITE IS ONE THAT IS VERY
       INCONSPICUOUS, THAT HAS KEPT AS MUCH OF THE GROUND VEGETATION AS
       POSSIBLE AND THAT HAS USED NATURAL MATERIAL THAT BLENDS WITH THE
       NATURAL ENVIRONMENT); (6) THE HEBERTISME DESIGN (INCLUDES A
       CENTRAL PLATEAU, AN AERIAL COURSE, AND A GROUND COURSE); (7) THE
       APPARATUS (CLASSIFIED AS WALKING AND RUNNING; BALANCING; CRAWLING
       AND "ON ALL FOURS"; LIFTING, CARRYING, AND THROWING; JUMPING;
       ARM-SUPPORTING; SUSPENSION; CLIMBING; AND THE THRILLERS); (8)
       MATERIAL (ROPE, PLANKS, ETC.); (9) SAFETY (EMPHASIS ON CALCULATED
       RISK-TAKING); (10) PROGRAM AND PEDAGOGY (EXAMPLES). (JC)
```

AN - ED139592
CHAN- RC009928
TI - THE APPALACHIAN TRAIL: GUIDELINES FOR PRESERVATION, REVISED MAY 1977.
OS - PENNSYLVANIA STATE UNIV., UNIVERSITY PARK. DEPT. OF LANDSCAPE ARCHITECTURE.
PD - MAY 77
NO - 229P.
TS - RIE77OCT
PR - EDRS PRICE MF-$0.83 HC-$12.71 PLUS POSTAGE.
SPO - PENNSYLVANIA STATE DEPT. OF COMMUNITY AFFAIRS, HARRISBURG.
DT - G
IT - CHANGE STRATEGIES; *CONSERVATION (ENVIRONMENT); FORESTRY
IT - GEOGRAPHIC LOCATION; GEOLOGY; GOVERNMENT ROLE; GUIDELINES
IT - LAND ACQUISITION; *LANDSCAPING; *LAND USE; MAPS
IT - NATURAL RESOURCES; *OUTDOOR EDUCATION; PHYSICAL DESIGN NEEDS
IT - PRESERVATION; RECREATIONAL FACILITIES; SITE ANALYSIS
IT - *SITE DEVELOPMENT; SOIL CONSERVATION; *TRAILS
ST - *APPALACHIAN TRAIL
AB - WITH INCREASING DEVELOPMENTAL PRESSURE BEING ASSERTED ON LAND RESOURCES, THERE IS A NEED FOR IDENTIFYING UNIQUE AREAS THAT, ONCE DESTROYED, MAY NEVER BE RECOUPED. MANY OF THE AREAS SUFFERING FROM DEVELOPMENTAL ENCROACHMENT ARE LOCATED ON OR ALONG THE APPALACHIAN TRAIL, WHICH IS A CONTINUOUS FOOTPATH ABOUT 2,000 MILES LONG THAT FOLLOWS THE APPALACHIAN MOUNTAIN CHAIN FROM MAINE TO GEORGIA. THE APPALACHIAN TRAIL STUDY GROUP HAS STUDIED FOUR AREAS OF THE TRAIL (MICHAUX STATE FOREST, CUMBERLAND VALLEY, SAINT ANTHONY'S WILDERNESS, AND KITTATINNY MOUNTAIN) AND HAS ATTEMPTED TO PROVIDE A WORKABLE TRAIL PROTECTION STRATEGY FOR USE BY LOCAL PLANNERS AND OTHERS CONCERNED WITH PROTECTING THE TRAIL. IN STUDYING THE FOUR AREAS, THE STUDY GROUP EXAMINED THE SITE, ALTERNATIVE ROUTES, SOILS, GEOLOGY, VEGETATION, WILDLIFE, AND THE AMENITIES OF THE AREA. THE STRATEGY DEVISED CONSISTS OF FIVE STEPS FROM THE PRE-DEVELOPMENT PLANNING OF LAND USE TO BETTER DESIGN SOLUTIONS FOR THOSE SEGMENTS PASSING THROUGH VARIOUS LAND DEVELOPMENTS. EMPHASIZING PHYSICAL DESIGN SOLUTIONS, THIS GUIDE RECOMMENDS CORRIDOR WIDTHS FOR VARIOUS LANDFORM VEGETATION AND LAND USE SITUATIONS; SUGGESTS POSSIBLE DESIGN SOLUTIONS TO SPECIFIC PROBLEMS THAT MAY ARISE; DESCRIBES VARIOUS LEGAL AND PLANNING DEVICES THAT MAY BE USED AS PART OF A FUTURE OVERALL TRAIL PROTECTION STRATEGY; AND DISCUSSES THE ROLE OF THE FEDERAL, STATE, AND LOCAL GOVERNMENTS. A MAP SHOWING THE LAND OWNERSHIP AND AREAS WITH A HIGH POTENTIAL FOR ACCESS IS INCLUDED. (NQ)

AN - ED135646
CHAN- SE022472
TI - YCC PROGRAM HANDBOOK. REVISED EDITION.
OS - DEPARTMENT OF THE INTERIOR, WASHINGTON, D.C.
PD - JAN 76
NO - 94P.; CONTAINS OCCASIONAL SMALL TYPE ; HANDBOOK COVERING ORGANIZATION OF A YOUTH CONSERVATION CORPS CAMP
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 HC-$4.67 PLUS POSTAGE.
DT - G
IT - *ADMINISTRATIVE POLICY; *CONSERVATION EDUCATION
IT - *ENVIRONMENTAL EDUCATION; NATURAL RESOURCES; OUTDOOR EDUCATION
IT - *PROGRAM DESCRIPTIONS; *PROGRAM GUIDES; SCIENCE EDUCATION
IT - *SECONDARY EDUCATION
ST - *YOUTH CONSERVATION CORPS
AB - THIS PROGRAM HANDBOOK WAS WRITTEN FOR THE PURPOSE OF CARRYING OUT THE PROVISIONS OF PUBLIC LAW 93-408. THIS ACT WAS PASSED TO ESTABLISH THE YOUTH CONSERVATION CORPS (YCC). THE BOOKLET IS DIVIDED INTO NINE CHAPTERS OUTLINING THE ORGANIZATION OF A YCC CAMP. THE CHAPTERS COVER THE BACKGROUND OF THE YCC, THE ORGANIZATION AND MANAGEMENT OF THE YCC CAMP, RECORD KEEPING, ENROLLEE LIVING, ENVIRONMENTAL AWARENESS AND WORK, COMMUNITY RELATIONS, THE YCC HEALTH PROGRAM, SAFETY MANAGEMENT, AND THE YCC STATE GRANT PROGRAM. EACH CHAPTER OUTLINES GOVERNMENT POLICY, RESPONSIBILITIES, AND REGULATIONS CONCERNING THE DIFFERENT ASPECTS OF THE YOUTH CONSERVATION CORPS CENTERS. (AJ)

```
AN   - ED139647
CHAN- SE022478
TI   - PENNSYLVANIA PROGRAMS/ACTIVITIES IN ENVIRONMENTAL EDUCATION.
AU   - SCHWILLE, ROBERT W.; DUGAN, DOROTHY E.
OS   - PENNSYLVANIA STATE DEPT. OF EDUCATION, HARRISBURG.
PD   - JAN 77
NO   - 19P.; CONTAINS OCCASIONAL LIGHT AND BROKEN TYPE
IS   - RIE77OCT
PR   - EDRS PRICE MF-$0.83 HC-$1.67 PLUS POSTAGE.
DT   - D
IT   - CURRICULUM; *DIRECTORIES; *ELEMENTARY SECONDARY EDUCATION
IT   - *ENVIRONMENTAL EDUCATION; *HIGHER EDUCATION; NATURAL RESOURCES
IT   - NATURE CENTERS; OUTDOOR EDUCATION; *PROGRAM DESCRIPTIONS
IT   - *SCIENCE EDUCATION
ST   - *PENNSYLVANIA
AB   - THIS LIST OF ENVIRONMENTAL EDUCATION PROGRAMS WAS COMPILED TO
       ASSIST PENNSYLVANIA SCHOOL ADMINISTRATORS IN THE DEVELOPMENT OF
       THEIR K-12 ENVIRONMENTAL PROGRAMS. THE PUBLICATION IS A DIRECTORY
       OF SCHOOL DISTRICT PROGRAMS AND COLLEGE AND UNIVERSITY PROGRAMS.
       THE LIST ALSO INCLUDES PROGRAMS OFFERED BY FOUR ENVIRONMENTAL OR
       NATURE LEARNING CENTERS IN THE STATE. EACH PROGRAM IS BRIEFLY
       DESCRIBED AND THE NAMES AND ADDRESSES OF EACH OF THE DIRECTORS IS
       LISTED. (AJ)
```

AN - ED139671
CHAN- SE022615
TI - AN ENVIRONMENTAL SYLLABUS: GRADES 10, 11, 12.
AU - JAMASON, BARRY W.
OS - NEW YORK STATE EDUCATION DEPT., ALBANY. BUREAU OF GENERAL EDUCATION CURRICULUM DEVELOPMENT.
PD - 77
NO - 470P.
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 HC-$24.77 PLUS POSTAGE.
DT - C
IT - CONSERVATION EDUCATION; CURRICULUM; *CURRICULUM GUIDES
IT - *ENVIRONMENTAL EDUCATION; LEARNING ACTIVITIES; NATURAL RESOURCES
IT - OUTDOOR EDUCATION; POLLUTION; *SECONDARY GRADES
IT - STATE CURRICULUM GUIDES; *TEACHING GUIDES; UNITS OF STUDY
AB - THIS SYLLABUS IS INTENDED AS A MULTI-PURPOSE SYLLABUS FOR ENVIRONMENTAL STUDIES IN THE SENIOR HIGH SCHOOL. SOME UNITS, OR PARTS OF UNITS, ARE APPROPRIATE FOR USE IN THE JUNIOR HIGH SCHOOL. THE UNITS IN THIS SYLLABUS ARE: (1) THE ENVIRONMENTAL STATUS QUO; (2) NATURAL ENVIRONMENTS; (3) FOOD AND PEOPLE; (4) POPULATION DYNAMICS; (5) ENERGY, PART I AND II; (6) LAND USE AND MANAGEMENT; (7) TRANSPORTATION; (8) POLLUTION; (9) ENVIRONMENTAL HEALTH; (10) CONSUMER "ENVIRONOMICS"; (11) GLOBAL RESOURCE MANAGEMENT; (12) GOVERNMENT, POLITICS, AND THE ENVIRONMENT; (13) THE ENVIRONMENT AND CAREERS; AND (14) SUMMARY. EACH UNIT CONTAINS AN INTRODUCTORY OR BACKGROUND STATEMENT AND NUMEROUS GENERAL UNDERSTANDINGS THAT SHOULD BE DEVELOPED BY THE CONCLUSION OF THE UNIT. THE MAIN PORTION OF EACH UNIT CONSISTS OF PROCEDURES TO BE EMPLOYED BY THE TEACHER. MANY OF THESE PROCEDURES ARE MATCHED WITH ONE OR MORE PERFORMANCE INDICATORS TO BE USED AS GUIDES IN OBSERVING AND EVALUATING STUDENT ACHIEVEMENT. AT THE END OF EACH UNIT IS A LIST OF RESOURCE MATERIALS. (AUTHOR/AJ)

AN - ED135672
CHAN - SE022654
TI - A QUANTITATIVE COMPARISON OF ENVIRONMENTAL EDUCATION. CONSERVATION EDUCATION, OUTDOOR EDUCATION, ECOLOGICAL EDUCATION, ENVIRONMENTALIZED EDUCATION AND GENERAL EDUCATION BASED ON GOALS.
AU - JOHNSON, DAVID I.
PD - 77
NO - 148P.; PH.D. DISSERTATION, MICHIGAN STATE UNIVERSITY ; TABLES MAY BE MARGINALLY LEGIBLE DUE TO SMALL TYPE
IS - RIE77OCT
PR - EDRS PRICE MF-$0.83 HC-$7.35 PLUS POSTAGE.
DT - T
IT - *COMPARATIVE ANALYSIS; *CONSERVATION EDUCATION; DOCTORAL THESES
IT - ECOLOGY; *EDUCATIONAL OBJECTIVES; EDUCATIONAL RESEARCH
IT - *ENVIRONMENTAL EDUCATION; *GENERAL EDUCATION; MODELS
IT - *OUTDOOR EDUCATION

AB - INVESTIGATED WAS THE RELATIONSHIP OF ENVIRONMENTAL EDUCATION TO ECOLOGICAL EDUCATION, OUTDOOR EDUCATION, CONSERVATION EDUCATION, ENVIRONMENTALIZED EDUCATION, AND GENERAL EDUCATION. GOALS SELECTED FROM THE LITERATURE WERE ANALYZED TO OBTAIN 60 GOALS REPRESENTING EACH OF THE 6 AREAS. USING A Q-SORT PROCEDURE, 65 SELECTED INDIVIDUALS, REPRESENTING THE 6 AREAS, RANK-ORDERED THE GOAL STATEMENTS. THE RESULTING SCORES WERE ANALYZED USING MULTIVARIATE ANALYSIS OF VARIANCE AND ONE-WAY ANALYSIS OF VARIANCE FOLLOWED BY SCHEFFE'S TEST. THE RESULTS SHOW THAT GOALS DESCRIBING MAN'S RELATIONSHIP TO AND UTILIZATION OF THE ENVIRONMENT WERE RANKED HIGH BY ALL GROUPS. GOALS DESCRIBING SPECIFIC SUBJECTS SUCH AS HEALTH, POPULATION GROWTH, AND OUTDOOR SCIENCE WERE RANKED LOW BY MOST GROUPS. PERSONAL DATA, EDUCATION, AND OCCUPATION RELATED TO THE RANKINGS OF THE ENVIRONMENTAL EDUCATION AND ENVIRONMENTALIZED EDUCATION CATEGORIES. A MODEL DEVELOPED TO ILLUSTRATE THE RELATIONSHIP BETWEEN THE 6 GROUPS IS PRESENTED. THE MODEL SHOWS ENVIRONMENTAL EDUCATION OVERLAPPING THE 5 OTHER AREAS, WITH STRONG OVERLAPS WITH CONSERVATION EDUCATION AND ENVIRONMENTALIZED EDUCATION. (BT)

SECTION II. CITATIONS FROM CURRENT INDEX TO JOURNALS IN EDUCATION

Key to Citations

AN - Accession number - identification number sequentially assigned to documents and/or journal articles as they are processed
CHAN - Clearinghouse Accession Number
TI - Title
AU - Authors
OS - Organizational Source
SO - Source (as from a journal)
PD - Publication Date
NO - Number of Pages and Notes
IS - Issue of RIE or CIJE in which citation appears
PR - EDRS Price
AV - Alternate Availability
SPO - Sponsoring Organization
CG - NIE or USOE Contract/grant number under which research was done
BN - Bureau Number (report number given by originator)
DT - Document Type
IT - Index Terms - descriptors which characterize content
ST - Supplementary Terms - identifiers not found in Thesaurus of ERIC Descriptors
AB - Abstract
( ) - Abstractor's initials always placed at end of abstract

Sample Citation

AN - EJ151650
CHAN - SE508325
TI - INSTRUCTIONAL IMPLICATIONS OF THE OUTWARD BOUND PROGRAM
AU - OOLE, CHARGES C., JR.
SO - LIBERAL EDUCATION; 42; 4; 608-19
PD - DEC 76
IS - CIJE77
IT - *INSTRUCTIONAL IMPROVEMENT; *PERSONAL GROWTH
IT - *TEACHER IMPROVEMENT; *INSTRUCTIONAL INNOVATION
IT - ELEMENTARY EDUCATION; SECONDARY EDUCATION; TEACHING METHODS
IT - SELF ACTUALIZATION
ST - *OUTWARD BOUND PROGRAM
AB - CHANGES ARE TAKING PLACE IN TEACHING TECHNIQUES AS A RESULT OF THE SUCCESS OF THE OUTWARD BOUND PROGRAM. FROM ELEMENTARY SCHOOLS TO COLLEGES, INSTRUCTORS AND ADMINISTRATORS ARE INTRODUCING ASPECTS OF THE OUTWARD BOUND APPROACH, WHICH ENCOURAGES THE INDIVIDUAL TO DISCOVER HIS OR HER INNER RESOURCES, STRENGTHS, AND LIMITATIONS. (AUTHOR/LBH)

```
AN  - EJ143582
CHAN- SE517014
TI  - NATURE CENTERS, ENVIRONMENTAL ATTITUDES, AND OBJECTIVES
AU  - HOLTZ, ROBERT
SO  - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 3; 34-37
PD  - 76
IS  - CIJE77
IT  - *ATTITUDES; *ENVIRONMENTAL EDUCATION; *ENVIRONMENTAL RESEARCH
IT  - *NATURE CENTERS; *OBJECTIVES; ELEMENTARY GRADES; ENVIRONMENT
IT  - OUTDOOR EDUCATION; QUESTIONNAIRES; SURVEYS
AB  - PRESENTED ARE THE FINDINGS OF QUESTIONNAIRES MAILED TO THE
      DIRECTORS OF 160 NATURE CENTERS WHICH PROVIDED ENVIRONMENTAL
      EDUCATION PROGRAMS FOR ELEMENTARY SCHOOL CHILDREN IN THIRTY-FOUR
      STATES. THE FIGURES INDICATE THAT SPECIFIC ENVIRONMENTAL ATTITUDE
      OBJECTIVES NEED TO BE DEVELOPED BY THE STAFFS OF THESE CENTERS.
      (RT)
```

```
AN  - EJ143658
CHAN- SE517148
TI  - CURRICULUM DEVELOPMENT FOR OUTDOOR LEARNING
AU  - CORCORAN, ELLEN
SO  - JOURNAL OF ENVIRONMENTAL EDUCATION; 7; 4; 55-61
PD  - 76
IS  - CIJE77
IT  - *CURRICULUM DEVELOPMENT; *INSERVICE TEACHER EDUCATION
IT  - *OUTDOOR EDUCATION; *PRESERVICE EDUCATION
IT  - ENVIRONMENTAL EDUCATION; TEACHER EDUCATION; TEACHER WORKSHOPS
AB  - OUTLINED IS A MODEL TEACHER EDUCATION CURRICULUM DEVELOPMENT
      PROCESS TO HELP PARTICIPANTS FORMULATE THEIR OWN OUTDOOR LEARNING
      CURRICULUM. SMALL-GROUP WORKSHOPS, FILMS, BOOK DISCUSSIONS, AND
      OUT-OF-CLASS WRITING HELP PARTICIPANTS DEVELOP CURRICULA
      CORRESPONDING TO THEIR NEEDS, INTERESTS, AND SKILLS. SAMPLE
      ASSIGNMENTS AND GUIDELINES ARE PRESENTED. (AUTHOR/MR)
```

```
AN   - EJ144148
CHAN- AA523359
TI   - LEARNING ON THE ROCKS
AU   - EDER, SID
SO   - AMERICAN EDUCATION; 12; 3; 16-21
PD   - APR 76
IS   - CIJE77
IT   - *LEARNING EXPERIENCE; *SUMMER PROGRAMS; *TEACHER INTERNS
IT   - *TEACHER ATTITUDES; *PROGRAM DESCRIPTIONS; LEARNING ACTIVITIES
IT   - STUDENT TEACHER RELATIONSHIP; EMOTIONAL EXPERIENCE
IT   - OUTDOOR EDUCATION; LEADERSHIP STYLES
AB   - IN A SUMMER PROGRAM IN NEW HAMPSHIRE'S WHITE MOUNTAINS, TEACHERS
       AND INTERNS COME TO KNOW FIRST-HAND THE FEARS THAT STRIKE AT
       UNSUCCESSFUL STUDENTS. (EDITOR)
```

```
AN   - EJ145438
CHAN- SE517434
TI   - CAMP MATHEMATICS
AU   - LANG, GORDON
SO   - AUSTRALIAN MATHEMATICS TEACHER; 32; 1; 9-15
PD   - FEB 76
IS   - CIJE77
IT   - *EDUCATIONAL ALTERNATIVES; *ELEMENTARY SCHOOL MATHEMATICS
IT   - *INSTRUCTION; *MATHEMATICS EDUCATION; ACTIVITY LEARNING; CAMPING
IT   - ELEMENTARY SECONDARY EDUCATION; OUTDOOR EDUCATION
IT   - SECONDARY SCHOOL MATHEMATICS
AB   - THE RATIONALE FOR USING A CAMPING SITUATION IN WHICH CHILDREN
       LEARN AND DO MATHEMATICS IS DISCUSSED. (DT)
```

```
AN   - EJ145453
CHAN- SE517451
TI   - A CAMPING AND OUTDOOR EDUCATION PROGRAMME
AU   - MARTIN, R.
SO   - SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 762; 27-31
PD   - JUL 76
IS   - CIJE77
IT   - *CAMPING; *ELEMENTARY EDUCATION; *INSTRUCTION; *OUTDOOR EDUCATION
IT   - ELEMENTARY SCHOOL SCIENCE; ELEMENTARY SECONDARY EDUCATION
IT   - RECREATIONAL ACTIVITIES; SCIENCE EDUCATION
IT   - SECONDARY SCHOOL SCIENCE
AB   - OUTLINES A PROGRAM OF OUTDOOR EDUCATION AND CAMPING FOR GRADES 3
       THROUGH 7. STRESSED ARE (1) TEACHING THE STUDENT TO FEND FOR
       THEMSELVES IN CAMPING SITUATIONS AND (2) ENVIRONMENTAL AWARENESS.
       INCLUDED ARE TERM BY TERM OUTLINES AND A LISTING OF RELATED
       ACTIVITIES AND SUBJECTS INCORPORATED INTO THE OUTDOOR EDUCATION
       PROGRAM. (SL)
```

```
AN   - EJ145454
CHAN- SE517452
TI   - PRESERVICE PREPARATION FOR OUTDOOR EDUCATION
SO   - SOUTH AUSTRALIAN SCIENCE TEACHERS JOURNAL; 762; 57-63
PD   - JUL 76
IS   - CIJE77
IT   - *HIGHER EDUCATION; *INSTRUCTION; *OUTDOOR EDUCATION
IT   - *PROGRAM DESCRIPTIONS; *TEACHER EDUCATION; COLLEGE SCIENCE
IT   - METHODS COURSES; PRESERVICE EDUCATION; SCIENCE EDUCATION
IT   - TEACHER EDUCATION CURRICULUM
ST   - *AUSTRALIA
AB   - OUTLINES THE FORMAL AND INFORMAL PRESERVICE PROGRAMS FOR OUTDOOR
       EDUCATION OFFERED AT EIGHT SOUTH AUSTRALIAN COLLEGES. (SL)
```

```
AN  - EJ147092
CHAN- SE517355
TI  - ENRICH YOUR OUTDOOR PROGRAM WITH OBIS
AU  - DELUCCHI, LINDA
SO  - NATURE STUDY; 30; 2; 9-10
PD  - 76
IS  - CIJE77
IT  - *ECOLOGY; *ENVIRONMENTAL EDUCATION; *INSTRUCTIONAL MATERIALS
IT  - *LEARNING ACTIVITIES; *OUTDOOR EDUCATION; ELEMENTARY GRADES
IT  - ENVIRONMENT; NATURAL RESOURCES; SECONDARY GRADES
ST  - *OUTDOOR BIOLOGY INSTRUCTIONAL ST
```

```
AN  - EJ147554
CHAN- AA523642
TI  - IN THE FOOTSTEPS OF THE PILGRIMS
AU  - LEVENSON, DOROTHY
SO  - TEACHER; 93; 8; 56-8
PD  - APR 76
IS  - CIJE77
IT  - *STUDENT EXPERIENCE; *LEARNING EXPERIENCE
IT  - *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION
IT  - *PROGRAM DESCRIPTIONS; PHOTOGRAPHS
ST  - *CAPE COD NATIONAL SEASHORE
AB  - CAPE COD YESTERDAY AND TODAY--STUDENTS SEE IT AS PART OF A
      NATIONAL PARK SERVICE PROGRAM. (EDITOR)
```

```
AN   - EJ147654
CHAN- CE505553
TI   - CONSERVATION STUDIES DOWN ON THE SCHOOL FARM
AU   - STUMP, NED
SO   - AMERICAN VOCATIONAL JOURNAL; 51; 8; 66,68-69
PD   - NOV 76
IS   - CIJE77
IT   - *HIGH SCHOOL CURRICULUM; *CONSERVATION EDUCATION
IT   - *NATURAL RESOURCES; *VOCATIONAL AGRICULTURE
IT   - AGRICULTURAL EDUCATION; OUTDOOR EDUCATION; NATURE CENTERS; TRAILS
IT   - SECONDARY EDUCATION
ST   - YOUTH ORGANIZATIONS
AB   - DESCRIBES HANDS-ON ACTIVITIES CONNECTED WITH A 4-SEMESTER
       CURRICULUM THAT ENABLES STUDENTS TO COMPLETE A MAJOR IN NATURAL
       RESOURCES AT PRAIRIE HEIGHTS COMMUNITY JUNIOR-SENIOR HIGH SCHOOL,
       INDIANA. (EDITOR/HD)
```

```
AN   - EJ148736
CHAN- SE517520
TI   - WILD FOODS--AN AVENUE TO ENVIRONMENTAL RESPONSIBILITY
AU   - CURRY, DUDLEY; WILLIAMS, ROBERT
SO   - SCHOOL SCIENCE AND MATHEMATICS; 76; 6; 508-510
PD   - OCT 76
IS   - CIJE77
IT   - *CONSERVATION (ENVIRONMENT); *ENVIRONMENTAL EDUCATION
IT   - *FOODS INSTRUCTION; *INSTRUCTION; *OUTDOOR EDUCATION
IT   - *SENIOR CITIZENS; BOTANY; ELEMENTARY SECONDARY EDUCATION
IT   - ELEMENTARY SCHOOL SCIENCE; NATURAL RESOURCES
IT   - SECONDARY SCHOOL SCIENCE
AB   - PROPOSES THE STUDY OF EDIBLE WILD PLANTS AS A MEANS OF DEVELOPING
       AN ATTITUDE OF ENVIRONMENTAL RESPONSIBILITY IN STUDENTS. SENIOR
       CITIZENS CAN PROVIDE CONSIDERABLE ASSISTANCE FOR SUCH A PROGRAM.
       (SL)
```

```
AN   - EJ145380
CHAN- AA523844
TI   - STRATEGIES: READING, MATHEMATICS, SOCIAL STUDIES, SCIENCE
AU   - INCRISANO, ROSELMINA
SO   - INSTRUCTOR; 85; 9; 59-70
PD   - MAY/JUN 76
IS   - CIJE77
IT   - *READING CLINICS; *READING INSTRUCTION; *SOCIAL STUDIES
IT   - *STUDENT PROJECTS; *OUTDOOR EDUCATION; ELEMENTARY SCHOOL STUDENTS
IT   - ENVIRONMENTAL EDUCATION; MATHEMATICS INSTRUCTION
```

```
AN   - EJ145702
CHAN- AA524272
TI   - CONCEPT-CONTENT, PROCESS PRODUCTS: A NATURAL SOLUTION
AU   - ERNST, DOROTHY
SO   - SCHOOL ARTS; 75; 10; 36-8
PD   - JUN 76
IS   - CIJE77
IT   - *ART EDUCATION; *ART MATERIALS; *ELEMENTARY SCHOOL STUDENTS
IT   - *OUTDOOR EDUCATION; *STUDENT PARTICIPATION; PHOTOGRAPHS
IT   - CONCEPT FORMATION; PROGRAM DESCRIPTIONS; DESIGN PREFERENCES
AB   - STUDENTS MUST BE GIVEN A COGNITIVE BASE AND HAVE A CERTAIN DEGREE
       OF FAMILIARITY WITH A DESIGN ELEMENT IN ORDER TO COPE WITH
       MATERIALS DURING THE CREATIVE PROCESS. DURING A RECENT OUTDOOR
       EDUCATION EXPERIENCE, ART TEACHERS FOUND SUCH CONCERNS WERE
       MINIMIZED IN TERMS OF AN ART PROGRAM. (AUTHOR/RK)
```

```
AN   - EJ149735
CHAN- AA524305
TI   - EARLY EDUCATION GUIDE
AU   - WEINBERGER, PAULA; BLUE, ROSE
SO   - TEACHER; 93; 9; 73-7
PD   - MAY/JUN 76
IS   - CIJE77
IT   - *EARLY CHILDHOOD EDUCATION; *STUDENT EVALUATION
IT   - *TEACHER ATTITUDES; *DIAGNOSTIC TEACHING; *OUTDOOR EDUCATION
IT   - PARENT STUDENT RELATIONSHIP; STUDENT DEVELOPMENT
AB   - A WEEK-BY-WEEK READINESS PROGRAM FOR PRESCHOOL AND EARLY PRIMARY
       CHILDREN. (EDITOR)
```

```
AN   - EJ150158
CHAN- EA507823
TI   - SCIENCE AND SOCIALIZATION OUT-OF-DOORS
AU   - DAWSON, PAUL DOW
SO   - NATIONAL ELEMENTARY PRINCIPAL; 56; 2; 47-49
PD   - NOV/DEC 76
IS   - CIJE77
IT   - *SOCIALIZATION; *SCIENCE EDUCATION; *OUTDOOR EDUCATION
IT   - *GROUP EXPERIENCE; ELEMENTARY EDUCATION; JUNIOR HIGH SCHOOLS
ST   - *DOHERTY SCHOOL
```

```
AN   - EJ150634
CHAN- SE517755
TI   - THE WILDLIFE IN YOUR LIFE
AU   - DENNIS, JOHN V.
SO   - DEFENDERS OF WILDLIFE NEWS; 51; 5; 313-320
PD   - OCT 76
IS   - CIJE77
IT   - *ENVIRONMENT; *OUTDOOR EDUCATION; *WILDLIFE MANAGEMENT; BIOLOGY
IT   - CONSERVATION (ENVIRONMENT); ENVIRONMENTAL EDUCATION
ST   - ORNITHOLOGY; WILDLIFE
AB   - IN THIS EDUCATIONAL SUPPLEMENT, THE REQUIREMENTS FOR SUCCESSFULLY
       LURING BIRDS, MAMMALS AND OTHER WILDLIFE TO THE HOME ARE
       PRESENTED. INFORMATION CONCERNING APPROPRIATE FEEDING STATIONS,
       TYPE OF FEED, WATER SUPPLY, BENEFICIAL PLANTS AND ADEQUATE
       SHELTER IS DETAILED. (BT)
```

```
AN   - EJ150706
CHAN- SE517966
TI   - STATIONS OUTDOORS
AU   - MADISON, JOHN F.; AND OTHERS
SO   - SCIENCE AND CHILDREN; 14; 3; 15-17
PD   - NOV-DEC 76
IS   - CIJE77
IT   - *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION
IT   - *LEARNING ACTIVITIES; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES
IT   - ACTIVITIES; ELEMENTARY SECONDARY EDUCATION; ENVIRONMENT
IT   - SCIENCE EDUCATION
ST   - SCIENCE LEARNING CENTERS
AB   - DESCRIBED IS A PROGRAM OF OUTDOOR EDUCATION UTILIZING
       ACTIVITY-ORIENTED LEARNING STATIONS. DESCRIBED ARE 13 ACTIVITIES
       INCLUDING: A POND STUDY, ORIENTEERING, NATURE CRAFTS, OUTDOOR
       MATHEMATICS, LINEAR DISTANCE MEASUREMENT, AND AREA MEASUREMENT.
       (SL)
```

```
AN   - EJ150707
CHAN- SE517567
TI   - ENERGY FOR TODAY AND TOMORROW WITH ENERGY EAGLE
AU   - MESSER, MELANIE B.
SO   - SCIENCE AND CHILDREN; 14; 3; 18-19,28
PD   - NOV-DEC 76
IS   - CIJE77
IT   - *ELEMENTARY SCHOOL SCIENCE; *ENERGY; *ENVIRONMENTAL EDUCATION
IT   - *FIELD TRIPS; *GAMES; ELEMENTARY SECONDARY EDUCATION; ENVIRONMENT
IT   - OUTDOOR EDUCATION; SCIENCE EDUCATION; SCIENCE ACTIVITIES
AB   - DESCRIBED IS AN ENERGY AWARENESS MODULE UTILIZED, IN THE SAN
       DIEGO (CALIFORNIA) COUNTY SCHOOLS, TO MAKE STUDENTS MORE AWARE OF
       ENERGY USE IN THE LOCAL COMMUNITY. ACTIVITIES INCLUDE AN ENERGY
       GAME AND ENERGY WALKS IN THE SCHOOL AND IN THE COMMUNITY. (SL)
```

```
AN   - EJ151444
CHAN- EC090478
TI   - CONFRONTATION OF SELF THROUGH OUTDOOR CHALLENGE: PENNSYLVANIA'S
       OUTDOOR EXPERIENCE FOR JUVENILE OFFENDERS
AU   - BROWN, WALN K.; SIMPSON, BENJAMIN F., JR.
SO   - BEHAVIORAL DISORDERS; 2; 1; 41-8
PD   - AUG 76
IS   - CIJE77
IT   - *DELINQUENCY; *PROGRAM DESCRIPTIONS; *OUTDOOR EDUCATION
IT   - *GROUP EXPERIENCE; EMOTIONALLY DISTURBED; SECONDARY EDUCATION
IT   - CAMPING
ST   - *GROUP AND INDIVIDUAL GROWTH PROJ; PENNSYLVANIA
AB   - AVAILABLE FROM: EC 090 474.
```

AN - EJ151650
CHAN- HE508325
TI - INSTRUCTIONAL IMPLICATIONS OF THE OUTWARD BOUND PROGRAM
AU - COLE, CHARLES C., JR.
SO - LIBERAL EDUCATION; 42; 4; 608-19
PD - DEC 76
IS - CIJE77
IT - *INSTRUCTIONAL IMPROVEMENT; *PERSONAL GROWTH
IT - *TEACHER IMPROVEMENT; *INSTRUCTIONAL INNOVATION
IT - *OUTDOOR EDUCATION; *INTERPERSONAL RELATIONSHIP; HIGHER EDUCATION
IT - ELEMENTARY EDUCATION; SECONDARY EDUCATION; TEACHING METHODS
IT - SELF ACTUALIZATION
ST - *OUTWARD BOUND PROGRAM
AB - CHANGES ARE TAKING PLACE IN TEACHING TECHNIQUES AS A RESULT OF THE SUCCESS OF THE OUTWARD BOUND PROGRAM. FROM ELEMENTARY SCHOOLS TO COLLEGES, INSTRUCTORS AND ADMINISTRATORS ARE INTRODUCING ASPECTS OF THE OUTWARD BOUND APPROACH, WHICH ENCOURAGES THE INDIVIDUAL TO DISCOVER HIS OR HER INNER RESOURCES, STRENGTHS, AND LIMITATIONS. (AUTHOR/LBH)

AN - EJ151846
CHAN- SE517397
TI - BROOKLYN AND THE SEA: "EXPLORE THE BEACH"
AU - ELARDI, JAMES; YASSO, WARREN E.
SO - JOURNAL OF MARINE EDUCATION; 10-12
PD - 76
IS - CIJE77
IT - *DISADVANTAGED YOUTH; *ELEMENTARY SECONDARY EDUCATION
IT - *ENVIRONMENTAL EDUCATION; *OCEANOLOGY; *PROGRAM DESCRIPTIONS
IT - *URBAN EDUCATION; EDUCATIONAL PROGRAMS; ENVIRONMENT
IT - OUTDOOR EDUCATION
ST - *MARINE SCIENCE CURRICULUM; EXPLORE THE BEACH PROGRAM
AB - THE "EXPLORE THE BEACH" PROGRAM, WHICH PROVIDES INNER-CITY CHILDREN FROM DAY CARE CENTERS AND DAY CAMPS IN NEW YORK CITY THE OPPORTUNITY TO OBSERVE THE MARINE ENVIRONMENT, IS DESCRIBED. A DESCRIPTION OF THE MARINE SCIENCE CURRICULUM AT JOHN DEWEY HIGH SCHOOL IS PRESENTED. (BT)

```
AN   - EJ152056
CHAN - SE518053
TI   - FORAGING EXPERIENCES WITH CHILDREN
AU   - RUSSELL, HELEN ROSS
SO   - NATURE STUDY; 30; 3; 8-10
PD   - 76
IS   - CIJE77
IT   - *ELEMENTARY SECONDARY EDUCATION; *ENVIRONMENTAL EDUCATION; *FOOD
IT   - *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION; *URBAN EDUCATION
IT   - ENVIRONMENT; PLANT IDENTIFICATION
AB   - PROVIDED ARE FORAGING EXPERIENCES AND WILD FOODS INFORMATION FOR
       UTILIZATION IN THE URBAN SCHOOL CURRICULUM. FOOD USES ARE
       DETAILED FOR ROSES, DANDELIONS, WILD ONIONS, ACORNS, CATTAILS,
       VIOLETS AND MINTS. (BT)
```

```
AN   - EJ152212
CHAN - SE518251
TI   - FIELD STUDIES FROM A ROOFTOP: MONITORING AUTUMN HAWK MIGRATION
AU   - LEE, DAVID S.
SO   - AMERICAN BIOLOGY TEACHER; 39; 1; 17-20
PD   - JAN 77
IS   - CIJE77
IT   - *BIOLOGY; *BIOLOGICAL SCIENCES; *ELEMENTARY SCHOOL SCIENCE
IT   - *INSTRUCTION; *SCIENCE ACTIVITIES; *SECONDARY SCHOOL SCIENCE
IT   - ELEMENTARY SECONDARY EDUCATION; FIELD INSTRUCTION
IT   - OUTDOOR EDUCATION; SCIENCE EDUCATION
AB   - DESCRIBED ARE SCIENCE ACTIVITIES FOR MONITORING BIRD MIGRATIONS.
       (SL)
```

```
AN   - EJ153163
CHAN - CE505904
TI   - MANAGEMENT OF STUDENT PRACTICE IN THE OUTDOOR LABORATORY
AU   - HANNON, MAURICE J.
SO   - AGRICULTURAL EDUCATION; 49; 6; 127
PD   - DEC 76
IS   - CIJE77
IT   - *CLASS MANAGEMENT; *LABORATORY TECHNIQUES; *OUTDOOR EDUCATION
IT   - VOCATIONAL EDUCATION; SECONDARY EDUCATION; AGRICULTURAL EDUCATION
IT   - TRAINING LABORATORIES; TEACHING TECHNIQUES
AB   - FIVE KEYS OR PROCEDURES FOR CONDUCTING AN OUTDOOR LABORATORY
       WHICH SHOULD LEAD TO A WELL CONTROLLED AND INFORMATIVE EXPERIENCE
       FOR ALL STUDENTS. (HD)
```

```
AN   - EJ154238
CHAN - SE518565
TI   - SNOWSHOEING: INVITATION TO THE OUTDOORS
AU   - PERMUT, SUSAN
SO   - SCIENCE AND CHILDREN; 14; 5; 17-19
PD   - FEB 77
IS   - CIJE77
IT   - *ELEMENTARY SCHOOL SCIENCE; *ENVIRONMENTAL EDUCATION
IT   - *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION
IT   - *PHYSICAL ACTIVITIES; *SCIENCE ACTIVITIES; ELEMENTARY EDUCATION
IT   - SCIENCE EDUCATION
AB   - OUTLINES BRIEF HISTORY OF THE USE OF SNOWSHOES. SUGGESTS AND
       DESCRIBES ACTIVITIES SUCH AS THE CONSTRUCTION OF SNOWSHOES,
       PROPER USE OF SNOWSHOES, TOPICS FOR DISCUSSION, AND OUTDOOR
       LESSONS. (CS)
```

```
AN  - EJ154239
CHAN- SE516566
TI  - FUN WITH FOOD WEBS
AU  - SMITH, KARL D.
SO  - SCIENCE AND CHILDREN; 14; 5; 22-23
PD  - FEB 77
IS  - CIJE77
IT  - *ECOLOGY; *EDUCATIONAL GAMES; *ELEMENTARY SCHOOL SCIENCE
IT  - *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION; *SCIENCE ACTIVITIES
IT  - ELEMENTARY EDUCATION; INSTRUCTIONAL MATERIALS
IT  - PHYSICAL ACTIVITIES; SCIENCE EDUCATION
AB  - EXPLAINS AN UPPER ELEMENTARY GAME OF TAG THAT ILLUSTRATES ENERGY
      FLOW IN FOOD WEBS USING CANDY BARS AS FOOD SOURCES. A FOLLOW-UP
      FIELD TRIP TO A RIVER AND FIVE LANGUAGE ARTS PROJECTS ARE ALSO
      SUGGESTED. (CS)
```

```
AN  - EJ155629
CHAN- PS505446
TI  - DESIGNING A SPECIAL PLAYGROUND
AU  - GILLET, PAMELA
SO  - CHILDREN TODAY; 6; 1; 13-17
PD  - JAN/FEB 77
IS  - CIJE77
IT  - *PLAYGROUNDS; *EARLY CHILDHOOD EDUCATION; *HANDICAPPED CHILDREN
IT  - *OUTDOOR EDUCATION; *PHYSICAL DEVELOPMENT
IT  - EDUCATIONAL ENVIRONMENT; MODELS; SCHOOL ARCHITECTURE
IT  - EXCEPTIONAL STUDENTS
AB  - DESCRIBES HOW TEACHERS AND STUDENT ARCHITECTS PLANNED AN
      INNOVATIVE OUTDOOR LEARNING AREA FOR TRAINABLE MENTALLY
      HANDICAPPED AND PRESCHOOL MULTIPLY-HANDICAPPED CHILDREN. (BF/JH)
```

AN - EJ155685
CHAN- RC502257
TI - ROCKCLIMBING AND TRANSFER TEACHING
AU - EDER, SID
SO - COMMUNICATOR; 8; 1; 2-8
PD - F-WIN 76
IS - CIJE77
IT - *ACTIVITY LEARNING; *LABORATORY TRAINING; *OUTDOOR EDUCATION
IT - *PRESERVICE EDUCATION; LEARNING EXPERIENCE; SENSITIVITY TRAINING
IT - STRESS VARIABLES
ST - *EXPERIENTIAL LEARNING; ROCKCLIMBING
AB - PRESERVICE TEACHER INTERNS LEARNED FROM DIRECT, FIRST-HAND PRACTICAL EXPERIENCES RATHER THAN JUST FROM THEORETICAL IDEAS, THE KINDS OF FEELINGS A NEW AND STRESSFUL SITUATION MAY ELICIT. (NC)

AN - EJ155688
CHAN- RC502300
TI - TAPPING THE SUGAR MAPLE--LEARNING AND APPRECIATING
AU - MALONE, CHARLES
SO - COMMUNICATOR; 8; 1; 22-5
PD - F-WIN 76
IS - CIJE77
IT - *ACTIVITY LEARNING; *ENVIRONMENTAL EDUCATION; *OUTDOOR EDUCATION
IT - *TREES; INTERDISCIPLINARY APPROACH; PLANT IDENTIFICATION
IT - SKILL DEVELOPMENT
AB - THE ARTICLE DISCUSSES HOW TO TAP A MAPLE TREE. TAPPING A MAPLE TREE TO PRODUCE MAPLE SYRUP CAN: (1) LEAD TO BETTER UNDERSTANDING IN MANY SUBJECT AREAS, (2) DEVELOP SKILLS THROUGH PARTICIPATION IN A REWARDING ACTIVITY, AND (3) HELP STUDENTS APPRECIATE THE MANY IMPORTANT ROLES THAT TREES PLAY IN OUR ENVIRONMENT AND DAILY LIVES. (NC)

AN - EJ155690
CHAN- RC502302
TI - THE MAGIC GARDEN
AU - COTHREN, KEVIN
SO - COMMUNICATOR; 8; 1; 30-3
PD - F-WIN 76
IS - CIJE77
IT - *FIELD CROPS; *HORTICULTURE; *OUTDOOR EDUCATION; *PLANTING
IT - *STUDENT PROJECTS; *URBAN ENVIRONMENT; ENVIRONMENTAL EDUCATION
IT - SCIENCE PROJECTS; SPACE UTILIZATION
ST - NEW YORK (BROOKLYN)
AB - USING THE OUTDOORS, THE GARDEN PROJECT HELPED CHILDREN IN BROOKLYN TO: EXPAND THEIR KNOWLEDGE OF THE EARTH'S PROCESSES, BECOME MORE AWARE OF HOW URBAN PEOPLE RELATE TO THEIR ENVIRONMENT, AND DEVELOP CONCERN FOR THE ENVIRONMENT AND ITS ECOLOGICAL BALANCE. (NQ)

AN - EJ155691
CHAN- RC502303
TI - THE SEED SCENE: AN OUTDOOR TEACHING TECHNIQUE
AU - RILLO, THOMAS J.
SO - COMMUNICATOR; 8; 1; 34-40
PD - F-WIN 76
IS - CIJE77
IT - *BOTANY; *OUTDOOR EDUCATION; *PLANT IDENTIFICATION
IT - *SCIENCE ACTIVITIES; *TEACHING TECHNIQUES
IT - ENVIRONMENTAL EDUCATION; HORTICULTURE
AB - THE STUDY OF SEEDS AND THEIR DISPERSAL IS AN EXCELLENT WAY TO HELP STUDENTS UNDERSTAND BASIC CONCEPTS WHICH WILL HELP THEM IN THEIR ADULT DECISION-MAKING ACTIVITIES REGARDING ENVIRONMENTAL PROBLEMS. THIS ARTICLE DISCUSSES THE PURPOSE OF SEEDS, ASPECTS OF SEEDS, AND COLLECTING SEEDS. CLASSROOM AND OUTDOOR ACTIVITIES WITH SEEDS ARE LISTED. (NQ)

AN - EJ155652
CHAN- RC502304
TI - UTOPOLIS, U.S.A.
AU - EVANS, LOUISE
SO - COMMUNICATOR; 8; 1; 42-5
PD - F-WIN 76
IS - CIJE77
IT - *COMMUNITY STUDY; *INTERDISCIPLINARY APPROACH; *PLANNED COMMUNITY
IT - *SIMULATION; *STUDENT PROJECTS; OUTDOOR EDUCATION
AB - UTOPOLIS, AN IMAGINARY COMMUNITY, WAS CREATED BY 48 FOURTH, FIFTH, AND SIXTH GRADE STUDENTS. GIVEN ONLY GEOGRAPHICAL BOUNDARIES, THE GROUP CREATED THE TOWN COMPLETE WITH ITS MANY COMPLEX AND INTERRELATED PROBLEMS. (NQ)

AN - EJ155693
CHAN- RC502305
TI - OUTDOOR EDUCATION.... AND ....THE ECONOMIC PINCH
AU - THABET, ROBERT A.
SO - COMMUNICATOR; 8; 1; 50-1
PD - F-WIN 76
IS - CIJE77
IT - *EDUCATIONAL FINANCE; *OUTDOOR EDUCATION; *PROGRAM COSTS
IT - EDUCATIONAL PHILOSOPHY

AN - EJ155879
CHAN- SE518738
TI - TERRITORIALITY IN THE RED-WINGED BLACKBIRD
AU - NEWHOUSE, CHRIS
SO - AMERICAN BIOLOGY TEACHER; 39; 3; 168-170
PD - MAR 77
IS - CIJE77
IT - *ANIMAL BEHAVIOR; *BIOLOGY; *HIGHER EDUCATION; *OUTDOOR EDUCATION
IT - *SCIENCE ACTIVITIES; *SECONDARY EDUCATION; COLLEGE SCIENCE
IT - INSTRUCTION; SECONDARY SCHOOL SCIENCE
ST - ORNITHOLOGY
AB - REPORTS FINDINGS ON RESEARCH IN RED-WINGED BLACKBIRD TERRITORIALITY AND DESCRIBES THE EDUCATIONAL POTENTIAL OF USE OF SIMILAR STUDIES IN THE CLASSROOM. TERRITORIAL MAPPING AND OBSERVATIONAL TECHNIQUES ARE EXPLAINED. (CS)

AN - EJ156332
CHAN- AA525072
TI - OF GRASSFLATS AND SPOIL ISLANDS
AU - RICH, JOAN; RICH, LESLIE
SO - AMERICAN EDUCATION; 12; 9; 14-8
PD - NOV 76
IS - CIJE77
IT - *OUTDOOR EDUCATION; *ENVIRONMENTAL EDUCATION; *ECOLOGY
IT - *NATURE CENTERS; *ELEMENTARY SECONDARY EDUCATION
IT - SCIENCE CURRICULUM
AB - THE HISTORY, CURRICULUM AND OBJECTIVES OF THE ENVIRONMENTAL STUDIES CENTER IN JENSEN BEACH, FLORIDA, ARE DISCUSSED. (RW)

AN - EJ156513
CHAN- AA525253
TI - NATURE IN THE CLASSROOM: ENVIRONMENTAL EDUCATION ON THE SCHOOLGROUNDS
AU - DOYLE, CHARLES
SO - NJEA REVIEW; 50; 3; 12,38
PD - NOV 76
IS - CIJE77
IT - *PLAYGROUNDS; *OUTDOOR EDUCATION; *LEARNING ACTIVITIES
IT - *STUDENT PARTICIPATION; *SCHOOL ENVIRONMENT; CHARTS
AB - GET TO KNOW MORE ABOUT YOUR OWN SCHOOLGROUNDS WITH THESE FIELD-TESTED ACTIVITIES THAT MAY BE ADAPTED TO SUBJECT AND GRADE LEVELS. (EDITOR)

AN - EJ157414
CHAN- SE518782
TI - A WEED CANTILEVER
AU - KELLER, ELHANNAN L.; PACALINO, JOHN
SO - SCIENCE ACTIVITIES; 14; 1; 25-26
PD - JAN/FEB 77
IS - CIJE77
IT - *EDUCATIONAL GAMES; *ELEMENTARY EDUCATION
IT - *INSTRUCTIONAL MATERIALS; *OUTDOOR EDUCATION
IT - *RECREATIONAL ACTIVITIES; SCIENCE ACTIVITIES
ST - CANTILEVERS
AB - DESCRIBES THE ENVIRONMENTAL ACTION TASK ACTIVITY, WHICH MAY BE USED AS A RECREATIONAL GAME OR AN ENVIRONMENTAL PERCEPTION EXPERIENCE, MAY BE CONDUCTED INDOORS OR OUT-OF-DOORS, USING WEED STEMS (OR SPAGHETTI) AND MASKING TAPE TO CONSTRUCT A CANTILEVER. SMALL GROUPS OF CHILDREN WORK TOGETHER TO MAKE THE CANTILEVER WITH THE LONGEST ARM. FURTHER ACTIVITIES ALSO LISTED. (CS)

AN - EJ159423
CHAN- SE518918
TI - HOW TO DEVELOP AND TEST YOUR OWN CURRICULUM
AU - COLLINS, M. A. J.
SO - SCIENCE AND CHILDREN; 14; 6; 11-13
PD - MAR 77
IS - CIJE77
IT - *CURRICULUM DEVELOPMENT; *CURRICULUM EVALUATION
IT - *ELEMENTARY EDUCATION; *ENVIRONMENTAL EDUCATION; *MODELS
IT - COURSE DESCRIPTIONS; COURSE OBJECTIVES; ELEMENTARY SCHOOL SCIENCE
IT - NATURAL SCIENCES; OUTDOOR EDUCATION; SCIENCE EDUCATION
AB - REVISES TABA'S MODEL IN DEVELOPING A SHORT COURSE, "WINTER ENVIRONMENT," IN ENVIRONMENTAL EDUCATION FOR USE IN ELEMENTARY SCHOOLS. LISTS FIVE COURSE OBJECTIVES AND DESCRIBES EVALUATION INSTRUMENTS TO TEST THE SUCCESS OF EACH OBJECTIVE. SUGGESTS A MODEL FOR CURRICULUM EVALUATION. (CS)

AN - EJ159428
CHAN- SE518923
TI - BUILDING AN ECOLOGICAL CONSCIENCE
AU - KENDALL, DAVID L.
SO - SCIENCE AND CHILDREN; 14; 6; 25-27
PD - MAR 77
IS - CIJE77
IT - *ECOLOGY; *ELEMENTARY SECONDARY EDUCATION; *FIELD STUDIES
IT - *INSTRUCTION; *OUTDOOR EDUCATION; COURSE DESCRIPTIONS
IT - JUNIOR HIGH SCHOOL STUDENTS; SCIENCE ACTIVITIES
IT - SCIENCE EDUCATION; STUDENT ATTITUDES
AB - DESCRIBES AN OUTDOOR SCIENCE PROJECT FOR JUNIOR HIGH STUDENTS THAT DEEPLY INVOLVES THE OBSERVER WITH THE NATURAL ENVIRONMENT HE IS OBSERVING. LISTS TEACHING TACTICS THAT PROMOTE DEEP STUDENT AWARENESS OF THE ENVIRONMENT. DESCRIBES FOUR INTRODUCTORY ACTIVITIES AND AN EXAMPLE OF AN INVESTIGATION THAT MIGHT NORMALLY GROW OUT OF AN INTRODUCTORY ACTIVITY. (CS)

```
AN   - EJ159568
CHAN- SE519270
TI   - THEY CALL IT ORIENTEERING
AU   - WEXLER, MARK
SO   - NATIONAL WILDLIFE; 15; 4; 13-16
PD   - JUN-JUL 77
IS   - CIJE77
IT   - *LEISURE TIME; *OUTDOOR EDUCATION; *PHYSICAL ACTIVITIES
IT   - *RECREATION; ATHLETICS; ENVIRONMENT; EXERCISE (PHYSIOLOGY); PARKS
IT   - RECREATIONAL ACTIVITIES; TRAILS
ST   - *ORIENTEERING
AB   - THROUGH THE USE OF PERSONAL ANECDOTES, THE AUTHOR DETAILS HIS
       INITIAL EXPERIENCE WITH ORIENTEERING, A SPORT RAPIDLY INCREASING
       IN POPULARITY THAT TEACHES PEOPLE NOT TO GET LOST IN THE WOODS.
       SOURCES OF INFORMATION ABOUT ORIENTEERING ARE PROVIDED. (BT)
```

SECTION III. RIE AND CIJE SUBJECT INDEX

ABSTRACTS
ED136971
ACTIVITIES
ED129535
ED134362
ED134363
ACTIVITY LEARNING
ED129528
ED129529
ED134384
EJ155685
EJ155688
ADMINISTRATIVE ORGANIZATION
ED131533
ADMINISTRATIVE POLICY
ED139646
ADMINISTRATOR GUIDES
ED139564
ADMINISTRATOR ROLE
ED131533
ADOLESCENTS
ED129524
ED130817
ADULTS
ED136998
AFFECTIVE BEHAVIOR
ED129549
ED139572
AGRICULTURAL EDUCATION
ED137523
AIRBORNE FIELD TRIPS
ED128245
AMERICAN INDIANS
ED138384
ANIMAL BEHAVIOR
ED129533
EJ155879
ANNOTATED BIBLIOGRAPHIES
ED136971
ANXIETY
ED129516
APPALACHIAN TRAIL
ED139592
ART EDUCATION
EJ149702
ART MATERIALS
EJ149702
ARTICULATION (PROGRAM)
ED139571
ATTITUDES
ED131968
ED131982
EJ143582
AUSTRALIA
EJ145454
BACKPACKING
ED139565
BATTLE CREEK SCHOOL DISTRICT MICH.
ED139555
BEHAVIOR CHANGE
ED139555
ED139572
BEHAVIOR PATTERNS
ED134414
BEHAVIOR PROBLEMS
ED130817
BEHAVIORAL OBJECTIVES
ED139572
BIBLIOGRAPHIC CITATIONS
ED137283
BIBLIOGRAPHIES
ED138384
BIOLOGICAL SCIENCES
EJ152212
BIOLOGY
EJ152212
EJ155879
BIRACIAL SECONDARY SCHOOLS
ED139555
BIRD BANDING
ED129533
BOTANY
EJ155691
CALIFORNIA
ED134419
CALIFORNIA (MARIN COUNTY)
ED129535
CAMPING
ED129536
ED129549
ED130817
ED135544
EJ145453
CAPE COD NATIONAL SEASHORE
EJ147554
CERTIFICATION
ED134419
CHANGE AGENTS
ED131968
CHANGING ATTITUDES
ED129524
ED135544
CLASS MANAGEMENT
EJ153163
COLORADO
ED139566
COLORADO OUTWARD BOUND SCHOOL
ED139563
COMMUNITY STUDY
EJ155692
COMPARATIVE ANALYSIS
ED129520
ED129537
ED129549
ED131968
ED131983
ED139672
CONFERENCES
ED134471
CONSERVATION (ENVIRONMENT)
ED139592

  - EJ148736
- CONSERVATION EDUCATION
  - ED133141
  - ED134471
  - ED136971
  - ED139646
  - ED139672
  - EJ147654
- COORDINATORS
  - ED139564
- COUNSELING GOALS
  - ED129520
- COURSE CONTENT
  - ED129528
- CREATIVE THINKING
  - ED130807
- CREATIVITY TESTS
  - ED130807
- CURRENT EVENTS
  - ED129530
- CURRICULUM
  - ED134449
  - ED137129
- CURRICULUM DEVELOPMENT
  - EJ143658
  - EJ159423
- CURRICULUM EVALUATION
  - EJ159423
- CURRICULUM GUIDES
  - ED129523
  - ED129530
  - ED139563
  - ED139671
- DAY CAMP PROGRAMS
  - ED133085
- DECISION MAKING
  - ED131983
- DEFINITIONS
  - ED131968
- DELINQUENCY
  - EJ151444
- DIAGNOSTIC TEACHING
  - EJ149735
- DIRECTORIES
  - ED139571
  - ED139647
- DISADVANTAGED YOUTH
  - EJ151846
- DISCOVERY LEARNING
  - ED129523
- DOHERTY SCHOOL
  - EJ150158
- EARLY CHILDHOOD EDUCATION
  - EJ149735
  - EJ155629
- ECOLOGY
  - EJ147092
  - EJ154239
  - EJ156332
  - EJ159428
- ECONOMICALLY DISADVANTAGED
  - ED129549
- EDUCATIONAL ALTERNATIVES
  - ED139570
  - EJ145438
- EDUCATIONAL FACILITIES
  - ED134408
- EDUCATIONAL FINANCE
  - EJ155693
- EDUCATIONAL GAMES
  - EJ154239
  - EJ157474
- EDUCATIONAL OBJECTIVES
  - ED129520
  - ED131983
  - ED139672
- EDUCATIONAL PHILOSOPHY
  - ED129519
- EDUCATIONAL PROGRAMS
  - ED128167
- EDUCATIONAL RADIO
  - ED133085
- EDUCATIONAL RESEARCH
  - ED134408
- EFFECTIVE TEACHING
  - ED129532
- ELEMENTARY EDUCATION
  - ED129549
  - ED133232
  - ED134362
  - ED134433
  - ED134448
  - ED137081
  - ED137082
  - EJ145453
  - EJ157474
  - EJ159423
- ELEMENTARY SCHOOL MATHEMATICS
  - EJ145438
- ELEMENTARY SCHOOL SCIENCE
  - ED134433
  - EJ150706
  - EJ150707
  - EJ152212
  - EJ154238
  - EJ154239
- ELEMENTARY SCHOOL STUDENTS
  - ED131983
  - EJ149702
- ELEMENTARY SECONDARY EDUCATION
  - ED128167
  - ED130820
  - ED133140
  - ED134419
  - ED137129
  - ED139647
  - EJ151846
  - EJ152056
  - EJ156332
  - EJ159428
- EMOTIONALLY DISTURBED
  - ED129532

ED130817
ENERGY
EJ150707
ENVIRONMENT
ED133232
ED134433
ED134449
ED134471
ED137081
ED137082
EJ150634
ENVIRONMENTAL EDUCATION
ED128167
ED129535
ED129538
ED130813
ED130820
ED132239
ED133140
ED133232
ED134419
ED134433
ED134448
ED134449
ED135544
ED136971
ED137081
ED137082
ED137129
ED139566
ED139646
ED139647
ED139671
ED139672
EJ143582
EJ147092
EJ147554
EJ148736
EJ150706
EJ150707
EJ151846
EJ152056
EJ154238
EJ154239
EJ155688
EJ156332
EJ159423
ENVIRONMENTAL INFLUENCES
ED130807
ENVIRONMENTAL RESEARCH
EJ143582
EUROPE (NORTHWEST)
ED129537
EVALUATION
ED134419
EXPERIENTIAL LEARNING
ED129519
ED129521
ED139563
ED139572
EJ155685
FACILITIES
ED133140
ED133232
FAMILY INVOLVEMENT
ED129500
FEDERAL LEGISLATION
ED133085
FIELD CROPS
EJ155690
FIELD STUDIES
ED129537
EJ159428
FIELD TRIPS
EJ150707
FOLLOWUP STUDIES
ED131968
FOOD
EJ152056
FOODS INSTRUCTION
EJ148736
FUNDAMENTAL CONCEPTS
ED128167
GAMES
EJ150707
GENERAL EDUCATION
ED139672
GEOGRAPHY INSTRUCTION
ED128245
GLOSSARIES
ED129534
GRADE 5
ED136998
GRADE 6
ED130807
GRADUATE STUDY
ED129538
GROUP AND INDIVIDUAL GROWTH PROJECT
EJ151444
GROUP DYNAMICS
ED129521
GROUP EXPERIENCE
EJ150158
EJ151444
GUIDELINES
ED129528
ED130820
GUIDES
ED129518
ED129531
ED139565
ED139590
HANDICAPPED
ED134408
HANDICAPPED CHILDREN
EJ155629
HEBERTISME
ED139590
HIGH SCHOOL CURRICULUM
EJ147654
HIGH SCHOOL STUDENTS
ED129520

HIGH SCHOOLS
ED129519
HIGHER EDUCATION
ED129518
ED133141
ED139647
EJ145454
EJ155879
HORTICULTURE
EJ155690
HOUSTON INDEPENDENT SCHOOL DISTRICT
ED135544
HUMANISTIC EDUCATION
ED139565
HYPOTHESIS TESTING
ED129516
ED131982
ILLINOIS (ROCKFORD)
ED136998
ILLUSTRATIONS
ED139590
INDIVIDUAL DEVELOPMENT
ED129521
INSERVICE TEACHER EDUCATION
EJ143658
INSTITUTIONAL ROLE
ED129518
INSTRUCTION
ED128167
ED133232
EJ145438
EJ145453
EJ145454
EJ148736
EJ152212
EJ159428
INSTRUCTIONAL IMPROVEMENT
EJ151650
INSTRUCTIONAL INNOVATION
ED139570
EJ151650
INSTRUCTIONAL MATERIALS
ED129534
ED133141
ED134448
ED137081
ED137082
ED137129
EJ147092
EJ152056
EJ154238
EJ157474
INTEGRATED ACTIVITIES
ED139565
ED139566
INTERACTION PROCESS ANALYSIS
ED139555
INTERDISCIPLINARY APPROACH
ED129530
ED130813
ED134384
ED139566
EJ155692
INTERPERSONAL RELATIONSHIP
EJ151650
JEWS
ED129500
LABORATORY TECHNIQUES
EJ153163
LABORATORY TRAINING
EJ155685
LAND USE
ED134471
ED139592
LANDSCAPING
ED139592
LEADERS GUIDES
ED129523
LEADERSHIP
ED131982
LEADERSHIP STYLES
ED130817
LEARNING ACTIVITIES
ED129529
ED129530
ED129533
ED131983
ED137081
ED137082
ED139570
EJ147092
EJ150706
EJ156513
LEARNING EXPERIENCE
EJ144148
EJ147554
LEISURE TIME
ED129500
ED137283
EJ159568
LESSON PLANS
ED129523
ED130813
ED134362
ED134363
LIFETIME SPORTS
ED137283
LITERATURE REVIEWS
ED138384
LOGISTICS
ED139564
MAP SKILLS
ED134384
MARINE SCIENCE CURRICULUM
EJ151846
MATHEMATICS EDUCATION
EJ145438
MINGO NATIONAL WILDLIFE REFUGE
ED130813
MISSISSIPPI (CRYSTAL SPRINGS)
ED130817
MISSOURI (SOUTHEAST)

ED129536
MODELS
ED131533
EJ159423
NATIONAL OUTDOOR LEADERSHIP SCHOOL
ED131982
NATIONAL PUBLIC RADIO
ED133085
NATURAL RESOURCES
ED133141
ED134448
ED134471
EJ147654
NATURE CENTERS
ED130813
ED134408
EJ143582
EJ156332
NEEDS
ED129528
NEEDS ASSESSMENT
ED129538
NEW YORK
ED139570
NEW YORK (CENTRAL)
ED129532
NEWSLETTERS
ED138384
NORTHERN ILLINOIS UNIVERSITY TAFT
ED129533
OBJECTIVES
ED129518
ED133140
EJ143582
OBSERVATION
ED139572
OCCUPATIONAL INFORMATION
ED139564
OCEANOLOGY
EJ151846
OLYMPIC GAMES
ED129530
ORIENTEERING
ED134384
EJ159568
OUTDOOR BIOLOGY INSTRUCTIONAL ST
EJ147092
OUTDOOR EDUCATION
ED129516
ED129518
ED129519
ED129520
ED129521
ED129523
ED129528
ED129529
ED129531
ED129532
ED129533
ED129534
ED129535
ED129536
ED129537
ED129549
ED130807
ED130813
ED130817
ED130820
ED131533
ED131568
ED131982
ED131983
ED132239
ED133140
ED134362
ED134363
ED134384
ED134408
ED134414
ED134419
ED134433
ED135544
ED136971
ED136998
ED138384
ED139555
ED139563
ED139564
ED139565
ED139566
ED139571
ED139572
ED139590
ED139592
ED139672
EJ143658
EJ145453
EJ145454
EJ147092
EJ147554
EJ148736
EJ149380
EJ149702
EJ149735
EJ150158
EJ150634
EJ150706
EJ151444
EJ151650
EJ152056
EJ153163
EJ154238
EJ154239
EJ155629
EJ155685
EJ155688
EJ155690
EJ155691
EJ155693
EJ155879
EJ156332
EJ156513

EJ157474
EJ159428
EJ159568
OUTDOOR RECREATION
ED137523
OUTWARD BOUND
ED129516
ED129518
ED129519
ED129520
ED129521
ED139564
ED139571
ED139572
OUTWARD BOUND PROGRAM
EJ151650
PARENT ATTITUDES
ED129500
PAWNEE GRASSLANDS
ED139566
PENNSYLVANIA
ED139647
PERCEPTUAL DEVELOPMENT
ED129524
PERSONAL GROWTH
EJ151650
PHYSICAL ACTIVITIES
ED134384
ED139563
EJ154238
EJ159568
PHYSICAL DEVELOPMENT
EJ155629
PHYSICAL EDUCATION
ED129528
ED139590
PHYSICAL GEOGRAPHY
ED128245
PHYSICAL RECREATION PROGRAMS
ED137283
PLANNED COMMUNITY
EJ155692
PLANNING
ED129531
ED134471
PLANT IDENTIFICATION
EJ155691
PLANTING
EJ155690
PLAYGROUNDS
EJ155629
EJ156513
POSITIVE REINFORCEMENT
ED129516
PRESERVICE EDUCATION
EJ143658
EJ155685
PRINCIPALS
ED131533
PRIVATE SCHOOLS
ED139571
PROFESSIONAL PERSONNEL
ED129538
PROGRAM ATTITUDES
ED136998
PROGRAM CONTENT
ED139563
ED139571
PROGRAM COSTS
EJ155693
PROGRAM DESCRIPTIONS
ED129519
ED129533
ED129537
ED134471
ED137129
ED139646
ED139647
EJ144148
EJ145454
EJ147554
EJ151444
EJ151846
PROGRAM DEVELOPMENT
ED129518
ED129531
ED133140
ED139590
PROGRAM EFFECTIVENESS
ED136998
PROGRAM EVALUATION
ED129519
ED129521
ED129532
ED135544
PROGRAM GUIDES
ED139646
PROGRAM PLANNING
ED139565
PROJECT BACSTOP
ED139555
PROXIMITY
ED134362
ED134363
PUBLIC SPEAKING
ED132239
RACE RELATIONS
ED139555
READING CLINICS
EJ149380
READING INSTRUCTION
EJ149380
RECREATION
ED134414
ED137523
EJ159568
RECREATIONAL ACTIVITIES
ED134414
ED137283
EJ157474
RECREATIONAL FACILITIES
ED134414

- RECREATIONISTS
  - ED137283
- REDWOOD GLEN RESIDENT OUTDOOR SC
  - ED129535
- RESEARCH REPORTS
  - ED134414
- RESIDENT CAMP PROGRAMS
  - ED129500
  - ED129523
  - ED129524
  - ED129529
  - ED133085
  - ED136998
- RESIDENTIAL PROGRAMS
  - ED129535
- RESOURCE GUIDES
  - ED129529
  - ED139566
- RESPONSIBILITY
  - ED139564
- RUNNING
  - ED134384
- RURAL EDUCATION
  - ED138384
  - ED139570
- RURAL SCHOOLS
  - ED134362
  - ED134363
  - ED139570
- SAFETY
  - ED133085
- SAFETY EDUCATION
  - ED139563
- SASKATCHEWAN
  - ED130820
- SCHOOL ENVIRONMENT
  - EJ156513
- SCIENCE ACTIVITIES
  - EJ150706
  - EJ152212
  - EJ154238
  - EJ154239
  - EJ155651
  - EJ155879
- SCIENCE EDUCATION
  - ED139647
  - EJ150158
- SECONDARY EDUCATION
  - ED133141
  - ED134363
  - ED134449
  - ED139646
  - EJ155879
- SECONDARY GRADES
  - ED139671
- SECONDARY SCHOOL SCIENCE
  - EJ152212
- SELF CONCEPT
  - ED129516
  - ED129520
  - ED129524
- SENIOR CITIZENS
  - EJ148736
- SENSORY EXPERIENCE
  - ED134362
  - ED134363
- SEX DIFFERENCES
  - ED129516
- SIMULATION
  - ED129530
  - EJ155652
- SITE DEVELOPMENT
  - ED129531
  - ED139590
  - ED139592
- SITE SELECTION
  - ED129531
- SKIING
  - ED139565
- SOCIAL STUDIES
  - EJ149380
- SOCIALIZATION
  - EJ150158
- SPEECH SKILLS
  - ED132239
- STATE STANDARDS
  - ED133085
  - ED134419
- STONE VALLEY OUTDOOR SCHOOL PA
  - ED131983
- STUDENT ATTITUDES
  - ED129532
  - ED135544
- STUDENT BEHAVIOR
  - ED129532
- STUDENT EVALUATION
  - EJ149735
- STUDENT EXPERIENCE
  - EJ147554
- STUDENT PARTICIPATION
  - ED131982
  - EJ149702
  - EJ156513
- STUDENT PROJECTS
  - EJ149380
  - EJ155690
  - EJ155692
- SUMMER PROGRAMS
  - ED129500
  - EJ144148
- SURVEYS
  - ED129536
  - ED129538
- TABLES (DATA)
  - ED129536
- TEACHER ATTITUDES
  - EJ144148
  - EJ149735
- TEACHER EDUCATION
  - ED129521
  - ED129533
  - ED129534

ED129537
ED129538
EJ145454
TEACHER IMPROVEMENT
EJ151650
TEACHER INTERNS
EJ144148
TEACHING GUIDES
ED129535
ED130820
ED134433
ED134449
ED139671
TEACHING METHODS
ED128245
ED139570
TEACHING TECHNIQUES
ED132239
EJ155691
TEXTBOOKS
ED129537
TOLEDO OHIO PUBLIC SCHOOLS
ED129549
TRAILS
ED139592
TREES
EJ155688
UNDERGRADUATE STUDY
ED129538
URBAN EDUCATION
EJ151846
EJ152056
URBAN ENVIRONMENT
EJ155690
VALUES
ED134448
ED134449
VISUALLY HANDICAPPED
ED134408
VOCATIONAL AGRICULTURE
ED137523
EJ147654
WATER RESOURCES
ED129534
WILDLIFE MANAGEMENT
ED133141
EJ150634
YOUTH CLUBS
ED129536
YOUTH CONSERVATION CORPS
ED139646
ZOOLOGY
ED133141
4H CLUBS
ED129536

SECTION IV. LIST OF PREVIOUS BIBLIOGRAPHIES

PREVIOUS BIBLIOGRAPHIES

Outdoor Education, A Selected Bibliography. (ED 037 285)

Outdoor Education, A Selected Bibliography. *Supplement No. 1* (ED 055 702)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). *ERIC/CRESS Supplement No. 2* (ED 073 093)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). *ERIC/CRESS Supplement No. 3* (ED 087 582)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). *ERIC/CRESS Supplement No. 4* (ED 101 907)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). *ERIC/CRESS Supplement No. 5* (ED 118 306)

Outdoor Education, A Selected Bibliography (with ERIC Abstracts). *ERIC/CRESS Supplement No. 6* (ED 135 971)

SECTION V. LIST OF ERIC CLEARINGHOUSES AND THEIR RESPECTIVE SCOPES

For information about standing order collections nearest you, contact any of the ERIC Clearinghouses listed below. The Clearinghouses contain all the ERIC collection in their respective Clearinghouses; they are not restricted to holdings only in their scope areas.

CURRENT ERIC CLEARINGHOUSES AND THEIR SCOPES

ERIC Clearinghouse on Career Education
Center for Vocational Education
Ohio State University
1960 Kenny Road
Columbus, OH 43210 (614) 486-3566

The Clearinghouse on Career Education is responsible for the areas of adult and continuing career, and vocational-technical education; occupational and human development through the retirement period; life roles including leisure roles; and local, state, national and international career education policy.

ERIC Clearinghouse on Counseling and Personnel Services
Room 2108, School of Education Building
Ann Arbor, MI 48104 (313) 764-9492

ERIC/CAPS is responsible for preparation, practice, and supervision of counselors at all educational levels and in all settings.

ERIC Clearinghouse on Early Childhood Education
College of Education
University of Illinois
Urbana, IL 61801 (217) 333-1386

ERIC/ECE is responsible for research documents on the physiological, psychological, educational, and cultural development of children from birth through the primary grades with focus on theory related to the development of young children.

ERIC Clearinghouse on Educational Management
University of Oregon
Eugene, OR 97403 (503) 687-6456

ERIC/CEA is responsible for the areas of leadership and management on the elementary and secondary levels; structure of educational organizations; administration; preparation of administrators; processes of administration; methods and varieties of organization; sites, buildings and equipment for education on all levels.

ERIC Clearinghouse on the Handicapped and Gifted Children
CEC Information Center on Exceptional Children
1920 Association Drive
Reston, VA 22091 (703) 620-3660

ERIC/CEC is responsible for documents concerning children and youth who require special services. Included are the physically handicapped; visually handicapped; mentally handicapped; speech handicapped; learning disabilities such as: behavioral, psychomotor, and communication disorders; and the gifted.

ERIC Clearinghouse on Higher Education
George Washington University
One Dupont Circle, Suite 630
Washington, DC 20036 (202) 296-2597

ERIC/CHE is responsible for various subjects relating to colleges and university students, problems, conditions, and management.

ERIC Clearinghouse on Information Resources
Syracuse University, School of Education
Huntington Hall
Syracuse, NY 13202 (315) 423-3640

The Clearinghouse is responsible for collecting information concerning print and non-print learning resources such as libraries and the professional activities of librarians and information specialists. Included are educational media materials concerning television, films, radio, microforms and computers.

Eric Clearinghouse for Junior Colleges
96 Powell Library
University of California
Los Angeles, CA 90024

The Clearinghouse is responsible for documents conerning public and private community junior colleges.

ERIC Clearinghouse on Languages and Linguistics
1611 N. Kent Street
Arlington, VA 22209 (703) 528-4312

The Clearinghouse is responsible for languages and linguistics; teacher training and qualifications for teaching languages; language sciences; and uncommonly taught languages, including English for speakers of other languages.

ERIC Clearinghouse for Reading and Communications Skills
National Council of Teachers of English
1111 Kenyon Road
Urbana, IL 61801 (217) 328-3870

ERIC/RCS is responsible for documents conerning reading, English, and communication skills; research in reading, writing, speaking, and listening; identification of reading problems; speech communication; and speech sciences and theater. Preparation of instructional staff and related personnel in these areas are covered.

ERIC Clearinghouse on Rural Education and Small Schools
Box 3AP
New Mexico State University
Las Cruces, NM 88003 (505) 646-2623

ERIC/CRESS is responsible for educational information concerning Mexican Americans, migrants, American Indians, outdoor education, rural education, and small schools.

ERIC Clearinghouse on Science, Mathematics, and Environmental Education
400 Lincoln Tower
Ohio State University
Columbus, OH 43210 (614) 422-6717

ERIC/SMEAC is responsible for all levels of science, mathematics, and environmental education; development of material; media applications. Preservice and inservice teacher education and supervision are also included.

ERIC Clearinghouse for Social Studies/Social Science Education
855 Broadway
Boulder, CO 80302 (303) 492-8434

ERIC/CHESS is responsible for all levels of social studies and social science.

ERIC Clearinghouse on Teacher Education
One Dupont Circle
Suite 616
Washington, DC 20036 (202) 293-7280

The Clearinghouse on Teacher Education is responsible for information pertaining to school personnel at all levels except for areas covered by Educational Management Clearinghouse. They are also responsible for documents written under Title XI NDEA Institutes when these documents are not covered under the speciality of some other ERIC Clearinghouse.

ERIC Clearinghouse on Tests, Measurements, and Evaluation
Education Testing Service
Princeton, NJ 08540 (609) 921-9000

ERIC/TM is responsible for documents pertaining to tests, evaluation procedures and the application of tests and measurements.

ERIC Clearinghouse on Urban Education
Teachers College - Box 40
Columbia University
New York, NY 10027 (212) 678-3437

ERIC/IRCD is responsible for information of the effects on disadvantaged experiences and environments; the performance of disadvantaged youth, compensatory programs; material related to economic and ethnic discrimination; and segregation, desegregation, and integration in education.

SECTION VI. ORDER BLANK

ORDER FORM

ERIC **DOCUMENT REPRODUCTION SERVICE**
P.O. Box 190 ARLINGTON, VIRGINIA 22210 • (703) 841-1212

OPERATED BY: COMPUTER MICROFILM INTERNATIONAL, CORP.

SHIP TO: ______________________

BILL TO: ______________________

ED NUMBER	NO. OF PAGES	NO. OF COPIES		UNIT PRICE	TOTAL
		MF	HC		
TOTAL NO. OF PAGES				SUBTOTAL	
TAX EXEMPT NO. ________		VA RESIDENTS ADD 4% SALES TAX			
DEPOSIT ACCT. NO. ________		POSTAGE			
		TOTAL			

IMPORTANT INSTRUCTIONS

- **ORDER BY ED NO.** (6 digits)
  See Resources in Education
- **SPECIFY EITHER:**
  Microfiche (MF)
  or
  Paper Copy (HC)
- **ENTER UNIT PRICE**
  (See Below)
- **INCLUDE POSTAGE**
  (See Below)
- **ENCLOSE CHECK or MONEY ORDER**
  Payable to EDRS or Computer
  Microfilm International Corp.
  (U.S. Funds Only)
- **MAIL TO:**
  EDRS
  P. O. Box 190
  Arlington, Virginia 22210
- **COMPLETE AND SIGN BELOW**

Date ______________________

Signature ______________________

Title ______________________

UNIT PRICE SCHEDULE
(Effective June 10, 1976)

MICROFICHE (MF)		PAPER COPY (HC)	
NUMBER FICHE EACH ED #	Price	NUMBER PAGES EACH ED #	Price
1 to 5	$ .83	1 to 25	$1.67
6	1.00	26 to 50	2.06
7	1.16	51 to 75	3.50
8	1.33	76 to 100	4.67
Each additional microfiche	.167*	Each additional 25 pages	1.34

*Total Price Should Be Rounded to Nearest Cent

CHART FOR DETERMINING UNITED STATES POSTAGE

1st CLASS POSTAGE FOR		4TH CLASS POSTAGE FOR TOTAL MF OR HC PAGES INDICATED (Allow 3-4 weeks delivery time from date of order)							
1-3 Microfiche Only	4-7 Microfiche Only	60 or less MF or HC Pages	61-120 MF or HC Pages	121-180 MF or HC Pages	181-240 MF or HC Pages	241-300 MF or HC Pages	301-360 MF or HC Pages	361-420 MF or HC Pages	Each Additional 60 MF or HC Pages
.13	.24	.30	.41	.52	.63	.74	.85	.96	.11

*Costs For Priority Shipment Available Upon Request.

GENERAL INFORMATION

1. PRICE LIST

The prices set forth herein may be changed without notice; however, any price change will be subject to the approval of the National Institute of Education Contracting Officer.

2. PAYMENT

The prices set forth herein do not include any sales, use, excise, or similar taxes which may apply to the sale of microfiche or hard copy to the Customer. The cost of such taxes, if any, shall be borne by the Customer.

Payment shall be made net thirty (30) days from date of invoice. Payment shall be without expense to CMIC.

3. REPRODUCTION

Express permission to reproduce a copyrighted document provided hereunder must be obtained in writing from the copyright holder noted on the title page of such copyrighted document.

4. CONTINGENCIES

CMIC shall not be liable to Customer or any other person for any failure or delay in the performance of any obligation if such failure of delay (a) is due to events beyond the control of CMIC including, but not limited to, fire, storm, flood, earthquake, explosion, accident, acts of the public enemy, strikes, lockouts, labor disputes, labor shortage, work stoppages, transportation embargoes or delays, failure or shortage of materials, supplies or machinery, acts of God, or acts or regulations or priorities of the federal, state, or local governments; (b) is due to failures of performance of subcontractors beyond CMIC's control and without negligence on the part of CMIC; or (c) is due to erroneous or incomplete information furnished by Customer.

5. LIABILITY

CMIC's liability, if any, arising hereunder shall not exceed restitution of charges.

In no event shall CMIC be liable for special, consequential, or liquidated damages arising from the provision of services hereunder.

6. WARRANTY

CMIC MAKES NO WARRANTY, EXPRESS OR IMPLIED, AS TO ANY MATTER WHATSOEVER, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE.

7. QUALITY

CMIC will replace products returned because of reproduction defects or incompleteness. The quality of the input document is not the responsibility of CMIC. Best available copy will be supplied.

8. CHANGES

No waiver, alteration, or modification of any of the provisions hereof shall be binding unless in writing and signed by an officer of CMIC.

9. DEFAULT AND WAIVER

a. If Customer fails with respect to this or any other agreement with CMIC to pay any invoice when due or to accept any shipment as ordered, CMIC may without prejudice to other remedies defer any further shipments until the default is corrected, or cancel this Purchase Order.

b. No course of conduct nor any delay of CMIC in exercising any right hereunder shall waive any rights of CMIC or modify this Agreement.

10. GOVERNING LAW

This Agreement shall be construed to be between merchants. Any question concerning its validity, construction, or performance shall be governed by the laws of the State of New York.

11. DEPOSIT ACCOUNTS

Customers who have a continuing need for ERIC documents may open a Deposit account by depositing a minimum of $200.00. Once a deposit account is opened, ERIC documents will be sent upon request, and the account charged for the actual cost and postage. A monthly statement of the account will be furnished.

12. STANDING ORDER ACCOUNTS

Customers who desire to receive microfiche copies of all ERIC reports announced in each issue of Resources in Education may do so by depositing $2000.00 or submitting an executed purchase order. The cost of each issue and postage will be charged against the account. A monthly statement of the account will be furnished.

13. PAPER COPY (HC)

A paper copy (HC) is xerographic reproduction, on paper, of the original document. Each paper copy has a Vellum Bristol cover to identify and protect the document.

14. FOREIGN POSTAGE

Postage for all countries other than the United States is based on the international Postal Rates in effect at the time the order is shipped. To determine postage allow 60 microfiche or 60 (HC) pages per pound. Customers must specify the exact classification of mail desired, and include the postage for that classification with their order. Payment must be in United States funds.

OTHER ERIC COLLECTIONS AVAILABLE FROM EDRS

STANDING ORDERS

Subscription orders of microfiche copies of all ERIC reports announced in each issue of Resources in Education average $160.00 per month at the rate of 8.7¢ per microfiche. Postage extra.

BACK COLLECTIONS (postage extra)

Reports in *Research in Education for* 1966 and 1967	$ 385.06
Reports in *Research in Education for* 1968	1,159.36
Reports in *Research in Education for* 1969	1,383.21
Reports in *Research in Education for* 1970	1,408.36
Reports in *Research in Education for* 1971	1,643.69
Reports in *Research in Education for* 1972	1,701.28
Reports in *Research in Education for* 1973	1,481.70
Reports in *Research in Education for* 1974	1,548.60
Reports in *Resources in Education for* 1975	1,734.61
Reports in *Resources in Education* Jan.–Apr. 1976	545.92
Entire Collection	$12,991.79

AIM/ARM MICROFICHE COLLECTIONS (postage extra) $0.158/fiche

CLEARINGHOUSE MICROFICHE COLLECTIONS (postage extra) $0.162/fiche

SPECIAL COLLECTIONS (postage extra)

Office of Education Research Reports 1956-65	$ 404.43
Pacesetters in Innovation, Fiscal Year 1966	144.57
Pacesetters in Innovation, Fiscal Year 1967	175.31
Pacesetters in Innovation, Fiscal Year 1968	112.12
Selected Documents on the Disadvantaged	334.28
Selected Documents in Higher Education	153.48
Manpower Research: Inventory for Fiscal Year 1966 and 1967	79.67
Manpower Research: Inventory for Fiscal Year 1968	44.41
Manpower Research: Inventory for Fiscal Year 1969	57.71